Index to Volume 57-A

(American Volume)
1975
AUTHORS

PAGE

A

Abe M *see* **Ohno T**
***Abraham E** and **Pankovich AM.** Neglected Rupture of the Achilles Tendon. Treatment by V-Y Tendinous Flap. ... 253
***Abraham E, Pankovich AM** and **Jansey F.** False Aneurysm of the Profunda Femoris Artery Resulting from Intertrochanteric Fracture. A Case Report .. 871
***Ahlberg ÅKM.** On the Natural History of Hemophilic Pseudotumor ... 1133
Ahuja SC *see* **Stovell PB**
Aidem HP. Contemporary Orthopedic Treatment of the Advanced Arthritic Knee Joint ... 133
Akbarnia BA *see* **Campbell CJ**
Akbarnia BA *see* **Steel HH**
Alban SL et al. Subtalar Arthrodesis Utilizing Autogenous Calcaneal Grafts ... 133
Albin R et al. Biochemical and Structural Studies of the Collagen of the Palmar Fascia in Dupuytren's Contracture ... 585
Albin R et al. Dupuytren's Contracture: An Active Cellular Process ... 726
Albright JP et al. The Total Knee: Quantitative Analysis of In-Vivo Function . 569
Albrigo J et al. Dovetail Patellar Tendon Transfer — A Review of 89 Patients with Recurrent Patellar Dislocation, Subluxation and Chondromalacia ... 1170
Alexakis PG et al. Air-Borne Bacterial Contamination of Operative Wounds: The Use of a Suction Aspiration Mask System ... 1028
Altman RD et al. Effects of Sodium Etidronate on Clinical and Laboratory Manifestations of Paget's Disease of Bone ... 581
***Alvarez A, Patel M, Nimberg G** and **Pearlman H.** Fracture of the Capitulum Humeri ... 1093
***Ambrose J** and **Goldstone R.** Anomalous Extensor Digiti Minimi Proprius Causing Tunnel Syndrome in the Dorsal Compartment. Report of a Case ... 706
Amor B *see* **Delbarre F**
Amstutz HC and **Matos M.** Trapezoidal-28 Hip Replacement. Preliminary Results ... 1024
***Amstutz HC** and **Sakai DN.** Total Joint Replacement for Ankylosed Hips. Indications, Technique, and Preliminary Results ... 619
Amstutz HC *see* **Schurman DJ**
Ancona D *see* **Ehrlich MG**
***Anderson LD, Sisk TD, Tooms RE** and **Park WI III.** Compression-Plate Fixation in Acute Diaphyseal Fractures of the Radius and Ulna ... 287
Andersson K *see* **Mannerfelt L**
Andriacchi TP et al. An Analytical Study of Stresses in a Femoral Stem of a Total Hip Prosthesis ... 565
Andriacchi T et al. Milwaukee Brace Correction of Idiopathic Scoliosis: A Biomechanical Analysis ... 582
Antonelli D *see* **Perry J**
Apfelbach HW et al. Chemonucleolysis — A Salvage Procedure in the Failed Laminectomy ... 1034
Aptekar RG and **Decker JL.** Orthopaedic Aspects of Systemic Lupus Erythematosus ... 1027
Arafa AG *see* **El-Adwar L**
Armstrong WD *see* **Lai CC**
Arnold WD *see* **Hilgartner MW**
Arsenis C et al. Resolution, Purification and Characterization of the Alkaline Phosphatase Activity from Fracture Callus Calcifying Cartilage ... 569
Artz TD et al. Hematogenous Infection of Total Hip Replacements. A Report of Four Cases ... 1024
Asher MA and **Lark RG.** The Effect of EHDP on Cartilage Metabolism in Organ Culture ... 574
Asher MA and **Lark RG.** The Effect of Parathyroid Extract on Cartilage Metabolism in Organ Culture ... 579
Asher MA *see* **Reckling FW**
Ashley RK et al. Combined Surgical Approach to Spinal Deformity ... 134
Aufranc OE *see* **Scott RD**
Azen SP *see* **Brooks HL**

B

Bagby GW. Fractures Treated with the Bagby Compression Bone Plate ... 1031
Bailey RW *see* **Lieberg OU**
Baker BE *see* **Cirincione RJ**
***Ballard A, Burkhalter WE, Mayfield GW, Dehne E** and **Brown PW.** The Functional Treatment of Pyogenic Arthritis of the Adult Knee ... 1119
Baraff LJ *see* **Ross GN**
***Barden GA, Meyer LC** and **Stelling FH III.** Myelodysplastics — Fate of Those Followed for Twenty Years or More ... 643
***Baril JD, Sonstegard DA** and **Matthews LS.** Rotational Control of Unstable Subcapital Fractures. An Experimental Study ... 613
Barjau R *see* **Beltran JE**
Barnes SN *see* **Carnesale PG**
Barron SE and **Kelly PJ.** Effect of Different Fracture Treatments on Blood Flow and Healing ... 569

PAGE

Bartel DL and **Ulsoy GA.** The Effects of Stem Length and Stem Material on Stresses in Bone-Prosthesis Systems ... 565
Bartel DL et al. The Analysis of Surgical Procedures for Treating Medial Instability of the Knee ... 570
Baylink D et al. Studies of Bone Repletion in Rats ... 567
***Baxt S, Mori K** and **Hoffman S.** Aneurysm of the Hand Secondary to Kaposi's Sarcoma. Case Report ... 995
Beabout JW *see* **Pritchard DJ**
Beabout JW *see* **Sim FH**
Beall MS Jr. et al. Transarticular Fixation of Supracondylar Non-Union of the Femur — Supracondylar Fractures of the Femur ... 1174
***Beals RK** and **Bird CB.** Carpal and Tarsal Osteolysis. A Case Report and Review of the Literature ... 681
Beckenbaugh RD et al. Evaluation of Hemiarthroplasty of the Hip with Cemented Femoral Prostheses ... 1022
Beckenbaugh RD et al. Review and Analysis of 532 Silastic MP Implants ... 724
Beckenbaugh RD *see* **Nolan DR**
***Becton JL, Christian JD Jr., Goodwin HN** and **Jackson JG III.** A Simplified Technique for Treating the Complex Dislocation of the Index Metacarpophalangeal Joint ... 698
Becton JL et al. A Simplified Technique for Treating the Complex Dislocation of the Index Metacarpophalangeal Joint ... 730
***Behrens F, Shepard N** and **Mitchell N.** Alteration of Rabbit Articular Cartilage by Intra-Articular Injections of Glucocorticoids ... 70
Beighton P *see* **Horan F**
***Bélanger LF, Robichon J** and **Urist MR.** The Effects of Magnesium Deficiency on the Host Response to Intramuscular Bone Matrix Implanted in the Rat . 522
Belcher DC and **Janes JM.** Tibial Donor Site Morbidity: 500 Consecutive Cases with Long Term Follow-Up ... 1032
***Beltran JE, Trilla JC** and **Barjau R.** A Simplified Compression Arthrodesis of the Shoulder ... 538
Bendana A *see* **Searfoss R**
***Bernstein SA.** Acute Cervical Pain Associated with Soft-Tissue Calcium Deposition Anterior to the Interspace of the First and Second Cervical Vertebrae. Brief Note ... 426
Bernstein SM and **Meyers MH.** Fractures of the Femoral Shaft and Associated Ipsilateral Fractures of the Hip and/or Patella ... 1029
Berry NC *see* **Sarmiento A**
Bianco AJ Jr. *see* **Reckles LN**
Bird CB *see* **Beals RK**
Bisla RS and **Louis HJ.** Transfer of Tibialis Posterior Tendon in Cerebral Palsy 137
Blackman RG. Percutanous Knowles Pinning for Fractures of Femoral Neck in Adults ... 135
***Blalock HS, Pearce HL, Kleinert H** and **Kutz J.** An Instrument Designed to Help Reduce and Percutaneously Pin Fractured Phalanges ... 792
Blazina ME et al. Patella Baja. A Technical Consideration in Evaluating Results of Tibial Tubercle Transplantation ... 1027
Bloom MH *see* **Chapman MW**
Bobechko WP *see* **Letts RM**
Bodell LS et al. Hypomagnesemia: Its Effect on Calcium Homeostasis and Metabolically Controlled Bone Turnover ... 571
Bohlman HH et al. Late Anterior Decompression of Spinal Cord Injuries 1025
Bohne WHO *see* **Davidson WH**
Bonfiglio M *see* **Marsh BW**
Bonfiglio M *see* **Weinstein SL**
***Bonnett C, Brown JC, Perry J, Nickel VL, Walinski T, Brooks L, Hoffer M, Stiles C** and **Brooks R.** Evolution of Treatment of Paralytic Scoliosis at Rancho Los Amigos Hospital ... 206
Book MK *see* **Bordelon RL**
Boone SC *see* **Richardson EG**
Boquist L *see* **Larsson S-E**
***Bordelon RL, Cracco A** and **Book MK.** Osteoid-Osteoma Producing Premature Fusion of the Epiphysis of the Distal Phalanx of the Big Toe. A Case Report . 120
Bosacco DN and **Trabulsi LR.** The Colles' Fracture — Treatment by Closed Reduction, Internal Fixation and Short Arm Cast Application ... 1030
Bove KE *see* **Semian DW**
Bovill EG Jr. et al. An Epidemiologic Study of Osteogenic Sarcoma in Malaysia. Incidence in Urban as Compared with Rural Environments and in Each of Three Separate Racial Groups, 1969-1972 ... 1026
Bovill EG Jr. *see* **Chapman MW**
***Boyer DW Jr.** Trapshooter's Shoulder: Stress Fracture of the Coracoid Process. Case Report ... 862
***Bradford DS, Moe JH, Montalvo FJ** and **Winter RB.** Scheuermann's Kyphosis. Results of Surgical Treatment by Posterior Spine Arthrodesis in Twenty-two Patients ... 439
Brady LP. A Multifaceted Approach to Prevention of Thromboembolic Phenomena: A Report of 100 Cases ... 1029
***Brady LP, Enneking WF** and **Franco JA.** The Effect of Operating-Room En-

* Indicates full article.

PAGE

vironment on the Infection Rate after Charnley Low-Friction Total Hip Replacement ... 80
Brady LP *see* **Marsh BW**
Bramwell ST and **Hansen ST Jr.** Intracapsular Hip Fractures in Young Adults. Report of a Method Using Fibular Graft and Multiple-Pin Fixation ... 138
***Brand PW, Cranor KC** and **Ellis JC.** Tendon and Pulleys at the Metacarpophalangeal Joint of a Finger ... 779
***Brashear HR Jr., Venters GC** and **Preston ET.** Fractures of the Neural Arch of the Axis. A Report of Twenty-nine Cases ... 879
Brauer GM *see* **Haas SS**
Brestin SG *see* **Reef TC**
Brewer BJ *see* **Murray MP**
Brewster RC and **Ivins JC.** Extra-Abdominal Desmoid Tumors: A Clinicopathologic Study ... 1026
***Brewster RC, Coventry MB** and **Johnson EW Jr.** Conversion of the Arthrodesed Hip to a Total Hip Arthroplasty ... 27
***Brighton CT, Friedenberg ZB, Zemsky LM** and **Pollis PR.** Direct-Current Stimulation of Non-Union and Congenital Pseudarthrosis. Exploration of Its Clinical Application ... 368
Brodhead WT *see* **Gelberman RH**
Bronson JL *see* **Giannestras NJ**
Brooks AL and **Jones DS.** A New Intrinsic Tendon Transfer for the Paralytic Hand ... 730
***Brooks HL, Azen SP, Gerberg E, Brooks R** and **Chan L.** Scoliosis: A Prospective Epidemiological Study ... 968
Brooks L *see* **Bonnett C**
Brooks R *see* **Bonnett C**
Brooks R *see* **Brooks HL**
***Broudy AS** and **Scott RD.** Voluntary Posterior Hip Dislocation in Children. Report of Two Cases ... 716
***Brown DC** and **McFarland GB Jr.** Dislocation of the Medial Cuneiform Bone in Tarsometatarsal Fracture-Dislocation. A Case Report ... 858
Brown FW and **Brody J.** Spine Pain of Benign Origin with or without Radiculopathy Treated by Epidural Prednisolone Therapy ... 134
Brown FW and **Brody J.** Spine Pain of Benign Origin with or without Radiculopathy Treated by Epidural Prednisolone Therapy. Report of 100 Consecutive Unselected Cases ... 1034
Brown JC *see* **Bonnett C**
Brown N *see* **Ellman MH**
Brown PW *see* **Ballard A**
Brown RL. Jack-O'Lantern Injuries ... 132
Bruner JM. Surgical Exposure of the F.P.L. Tendon in the Thenar Zone ... 729
Brunn F *see* **Hassmann GC**
Bryan RS and **Coonrad RW.** Total Elbow Arthroplasty — Preliminary Experiences ... 1033
Buck-Gramcko D. Denervation of the Wrist Joint ... 726
Buncke HJ. Hand Reconstruction by Microvascular Island Flap Transplantation ... 729
Bunnell WP *see* **MacEwen GD**
***Burchardt H, Busbee GA III** and **Enneking WF.** Repair of Experimental Autologous Grafts of Cortical Bone ... 814
Burchardt H *see* **Enneking WF**
Burkhalter WE *see* **Ballard A**
***Burstein AH, Zika JM, Heiple KG** and **Klein L.** Contribution of Collagen and Mineral to the Elastic-Plastic Properties of Bone ... 956
Burstein AH et al. Age Change in the Mechanical Behavior of Human Bone Tissue ... 1032
***Burton DS** and **Schurman DJ.** Hematogenous Infection in Bilateral Total Hip Arthroplasty. Case Report ... 1004
Busbee GA III *see* **Burchardt H**
***Bush LF.** The Torn Shoulder Capsule ... 256
Butler G *see* **Currey JD**

C

Cady GW et al. Displaced Fatigue Fractures of the Femoral Neck ... 1022
Cady GW *see* **Imatani RJ**
***Callan JE** and **Wood VE.** Spontaneous Resolution of an Osteosarcoma. Brief Note ... 723
***Cameron HU, Hastings DE** and **Fournasier VL.** Fracture of the Hook of the Hamate. A Case Report ... 276
***Cameron HU, Jacob R, Macnab I** and **Pilliar RM.** Use of Polymethylmethacrylate to Enhance Screw Fixation in Bone ... 655
***Campbell CJ** and **Akbarnia BA.** Giant-Cell Tumor of Radius Treated by Massive Resection and Tibial-Bone Graft ... 982
Campbell CJ, Cohen J and **Enneking WF.** New Therapies for Osteogenic Sarcoma. An Editorial ... 143
***Canale ST, Hammond NL III, Cotler JM** and **Snedden HE.** Pelvic Displacement Osteotomy for Chronic Hip Dislocation in Myelodysplasia ... 177
***Canale ST, Puhl J, Watson FM** and **Gillespie R.** Acute Osteomyelitis following Closed Fractures. Report of Three Cases ... 415
Caplan HS et al. The Intrinsic Vascularization of Flexor Tendons in the Human ... 726
***Carnesale PG, Stewart MJ** and **Barnes SN.** Acetabular Disruption and Central Fracture-Dislocation of the Hip. A Long-Term Study ... 1054
Carr WA and **Urbaniak JR.** Management of Metastatic Bone Tumors from Adenocarcinoma of the Kidney ... 1026
Carroll RE and **Green DP.** Reconstruction of the Hypoplastic Digits Using Toe Phalanges ... 727
Casscells SW. Gross Pathological Changes in the Knee Joint of the Aged Individual — A Study of 300 Cases ... 1033
Cattell HS and **Pomeroy TC.** Iatrogenic Fractures at Biopsy Site in Long Bones ... 1026
Cayla J *see* **Delbarre F**
Chaglassian JH et al. Neurofibromatosis — Scoliosis ... 1031
Chan L *see* **Brooks HL**
Chao EY. Kinematic Evaluation of Low-Back Motion During Gait ... 574
Chaplin DM and **Greenlee TK.** The Development of Human Digital Tendons ... 566

PAGE

***Chapman MW, Stehr JH, Eberle CF, Bloom MH** and **Bovill EG Jr.** Treatment of Intracapsular Hip Fractures by the Deyerle Method. A Comparative Review of One Hundred and Nineteen Cases ... 735
***Charendoff MD.** Moore Arthroplasty at Age Fourteen with Twenty-Year Follow-up. A Case Report ... 715
Chen KH et al. Collagen Hydroxylation in W138 Fibroblast, Chick Embryo Sternum and Mouse Calvaria Cultures: Action of Hydralazine ... 568
***Chiroff RT.** Experimental Replacement of the Anterior Cruciate Ligament. A Histological and Microradiographic Study ... 1124
Chiroff RT and **Cooke CP III.** Osteochondritis Dissecans: A Histologic and Microradiographic Analysis of Surgically Excised Lesions ... 1032
***Cho KO.** Reconstruction of the Anterior Cruciate Ligament by Semitendinosus Tenodesis ... 608
Chrisman OD et al. The Use of Plaquenil for the Prevention of Thromboembolic Disease in Orthopaedic Patients ... 1171
Christian JD Jr. *see* **Becton JL**
Chung SMK et al. Slipped Femoral Capital Epiphysis — A Fundamental Reconsideration of Etiology ... 1022
Ciceric WF *see* **Diaz JE**
***Cirincione RJ** and **Baker BE.** Tendon Ruptures with Secondary Hyperparathyroidism. A Case Report ... 852
***Clark MW.** Autosomal Dominant Inheritance of Tibial Meromelia. Report of a Kindred ... 262
Clark MW and **D'Ambrosia R.** Results of Naviculectomy for Congenital Vertical Talus ... 1035
Clarke IC. Friction and Wear of Articular Cartilage — A Pendulum/SEM System ... 567
Clawson DK *see* **Matsen FA III**
Clayton ML *see* **Ferlic DC**
Cochran GV et al. Stress Analysis of the Subtrochanteric Region of the Femur 1022
Cohen J *see* **Campbell CJ**
Collins HR *see* **DeHaven KE**
***Convery FR, Gunn DR, Hughes JD** and **Martin WE.** The Relative Safety of Polymethylmethacrylate. A Controlled Clinical Study of Randomly Selected Patients Treated with Charnley and Ring Total Hip Replacements ... 57
Cooper JS *see* **Sarmiento A**
Costenbader JM *see* **Isaacson J**
Cotler JM and **Wolfgang GL.** A Radiographic Evaluation of Femoral Head Containment Following Innominate Osteotomy for Coxa Plana ... 1023
Cotler JM *see* **Canale ST**
***Coventry MB.** An Axial Guide for Total Knee Arthroplasty. Brief Note ... 564
Coventry MB *see* **Brewster RC**
Coventry MB *see* **Nolan DR**
Cowen NJ *see* **DeLuca FN**
Cox JS. An Evaluation of the Trillat Procedure for Management of Patellar Dislocations and Subluxations ... 133
Cracchiolo A III. Prosthetic Knee Arthroplasty Utilizing the Hebert Knee Prosthesis — A Preliminary Report ... 134
Cracco A *see* **Bordelon RL**
Craig WA and **Kramer WG.** Methods of Containment of Legg-Perthes Syndrome ... 135
Cranor KC *see* **Brand PW**
***Crawford AH.** Legg-Calvé-Perthes Disease Coexistent with Slipped Capital Femoral Epiphysis. A Case Report ... 280
Crispen C *see* **Ehrlich MG**
Cristini JA *see* **Lancourt JE**
Criswell AR et al. Fractures of the Distal Femoral Epiphysis ... 138
Crosby EB and **Insall J.** Late Results of Hauser Procedure ... 1027
Crothers O *see* **Johnson JTH**
Culver JE Jr. and **Culver SR.** The Effect of Serum from Patients with Dupuytren's Contracture on Growth of Fibroblasts in Tissue Culture ... 566
***Currey JD** and **Butler G.** The Mechanical Properties of Bone Tissue in Children 810
Czitrom AA et al. Virus Induced Osteosarcoma in Rats — An Experimental Model for the Study of Human Osteosarcomas ... 583
Czitrom A *see* **Langer F**

D

Dahlin DC *see* **Pritchard DJ**
Dahlin DC *see* **Sim FH**
Daines NG Jr. et al. Single Dose Hypobaric Spinal Anesthesia for "Hind Quarter" Surgery ... 135
D'Ambrosia RD et al. Should the Femoral Hemiarthroplasty Prosthesis be Cemented in Place? The Problem with Dislocation ... 139
D'Ambrosia RD *see* **Tipton WW**
***Dameron TB Jr.** Fractures and Anatomical Variations of the Proximal Portion of the Fifth Metatarsal ... 788
***Dandy DJ** and **Jackson RW.** Meniscectomy and Chondromalacia of the Femoral Condyle ... 1116
***Daniel D** et al. Compartment Evaluation of Osteoarthritis of the Knee: A Comparative Study of Available Diagnostic Modalities ... 133
Daniel D et al. The Effect of Joint Lavage in Preventing Cartilage Destruction in an Experimentally Produced *Staphylococcus aureus* Joint Infection ... 583
Daniel D. et al. Mixed Aerobic-Anaerobic Foot Infections in the Diabetic ... 133
Dauphine RT and **Linscheid RL.** Unrecognized Sprain Patterns of the Wrist . 727
Dauphine RT and **Robb RA.** Computer-Assisted Videodensitometric Analysis of Age and Sex Dependent Variations of Bone Porosity in Normal and Osteoporotic Humans ... 566
Dauphine RT *see* **Pritchard DJ**
***Davidson WH** and **Bohne WHO.** The Syme Amputation in Children ... 905
Davies DR et al. Transcapillary Exchange of Strontium and Sucrose in the Canine Tibia ... 572
Deburge A. Results of 292 Guepar Knee Prostheses with Four Years' Follow-Up 1033
DeFiore J *see* **Ranawat CS**
***DeHaven KE** and **Collins HR.** Diagnosis of Internal Derangements of the Knee. The Role of Arthroscopy ... 802

* Indicates full article.

PAGE

Dehne E *see* **Ballard A**
***Delbarre F, Rondier J, Delrieu F, Evrard J, Cayla J, Menkes CJ** and **Amor B.** Pyogenic Infection of the Sacro-Iliac Joint. Report of Thirteen Cases 819
Delrieu F *see* **Delbarre F**
***DeLuca FN** and **Cowen NJ.** Median-Nerve Compression Complicating a Tendon Graft Prosthesis 553
***Deutsch SD.** Non-Clostridial Gas Infection of a Fracture in a Diabetic. A Case Report 1009
Deutsch SD *see* **Rosenthal RK**
Devore DT. Reconstituted Collagen Xenografts for Bone Replacement 568
Diamond LS et al. Orthopaedic Management of Patients with Down's Syndrome 1023
***Diaz JE, Jones ES** and **Ciceric WF.** Perforation of the Deep Palmar Arch Produced by Surgical Wire after Tenorrhaphy. A Case Report and Review of the Literature 1150
Dick HM *see* **Tornberg DN**
Dickson G *see* **Haas SS**
Dickson JH *see* **Ponder RC**
Dickson RA *see* **Stein H**
Dietrich SL and **Stryker WS.** Magnesium Oxide in the Treatment of Osteogenesis Imperfecta 136
Dobyns JH et al. Management of Traumatic Instability of the Wrist 1030
Donaldson WF. Editorial. Malpractice Crisis 1012
***Donaldson WF.** So Little Time; So Much to Do. Presidential Address, The American Academy of Orthopaedic Surgeons 1018
Donaldson WF *see* **Madigan R**
***Dorn W III, Gladden MP** and **Rankin EA.** Regression of a Renal-Cell Metastatic Osseous Lesion following Treatment 869
Dorr LD *see* **Patzakis MJ**
Doyle JM *see* **Galante JO**
Dublin AB *see* **Stadalnik RC**
Dunbar JS *see* **Yu WY**
Duncan JW and **Lovell WW.** Hoke Triple Arthrodesis 1172
Dunn HK and **Hess WE.** Total Hip Reconstruction in Old Completely Dislocated Hips 135
Dupont JA and **Lumsden RM.** Significance of Operative Cultures in Total Joint Replacements 138
Dwyer AP *see* **O'Brien JP**

E

Eaton RG *see* **Herndon JH**
Eberle CF *see* **Chapman MW**
***Ecker ML, Joyce JJ III** and **Kohl EJ.** The Treatment of Trochanteric Hip Fractures Using a Compression Screw 23
Edgerton MT. The Cross-Arm Digital Transfer 726
Edmunds JO et al. Arthrodesis of the Unstable Upper Cervical Spine for Instability With and Without Myelopathy 1025
***Ehrlich MG, Mankin HJ, Jones H, Grossman A, Crispen C** and **Ancona D.** Biochemical Confirmation of an Experimental Osteoarthritis Model 392
Ehrlich MG et al. Collagenase and Collagenase Inhibitors in Osteoarthritic and Normal Human Cartilage 570
***El-Adwar L** and **Arafa AG.** A Rare Injury to the Thumb Similar to Degloving 998
***El Ghawabi MH.** Fracture of the Medial Condyle of the Humerus 677
Elkins RW *see* **Sarmiento A**
Ellis JC *see* **Brand PW**
***Ellman H.** Anterior Angulation Deformity of the Radial Head. An Unusual Lesion Occurring in Juvenile Baseball Players 776
***Ellman MH, Krieger MI** and **Brown N.** Pseudogout Mimicking Synovial Chondromatosis 863
***Elstrom JA, Pankovich A** and **Kassab MT.** Irreducible Supracondylar Fracture of the Humerus in Children. A Report of Two Cases 680
***English TA.** The Trochanteric Approach to the Hip for Prosthetic Replacement 1128
***Enneking WF, Burchardt H, Puhl JJ** and **Piotrowski G.** Physical and Biological Aspects of Repair in Dog Cortical-Bone Transplants 237
Enneking WF *see* **Brady LP**
Enneking WF *see* **Burchardt H**
Enneking WF *see* **Campbell CJ**
Enneking WF *see* **Marsh BW**
Enneking WF *see* **Neff JR**
Ennis R *see* **Millender LH**
Eppright RH. Dial Osteotomy of the Acetabulum in the Treatment of Dysplasia of the Hip 1172
Erwin WD *see* **Ponder RC**
Etheredge R III *see* **Lipshitz H**
Evans JA *see* **Hastings DE**
Evrard J *see* **Delbarre F**
Ewald BE et al. Synovectomy in Hemophilia — A Preliminary Report 139
Ewald FC et al. The Importance of Intercondylar Stability in Knee Arthroplasty: Comparison of McKeever, Modular and Duo-Condylar Types 1033

F

Falace P et al. Ankylosing Spondylitis and W27 in a Four Generation Family . 585
Ferguson AB Jr. Comparative Pathology of Legg-Perthes Disease and Avascular Necrosis with Delineation of the Importance of the Lateral Viable Segment . 1023
***Ferlic DC, Clayton ML** and **Holloway M.** Complications of Silicone Implant Surgery in the Metacarpophalangeal Joint 991
***Ferlic DC, Clayton ML, Leidholt JD** and **Gamble WE.** Surgical Treatment of the Symptomatic Unstable Cervical Spine in Rheumatoid Arthritis 349
Ferlic DC et al. Surgical Treatment of the Unstable Cervical Spine in Rheumatoid Arthritis 139
***Fielding JW, Tuul A** and **Hawkins RJ.** "Ondine's Curse." A Complication of Upper Cervical Spine Surgery 1000
Finerman GAM and **Gerth N.** Dexamethasone Inhibition of Collagen Synthesis 568
Finnegan W et al. Salvage Spine Surgery 1034
***Finsterbush A** and **Friedman B.** The Effect of Sensory Denervation on Rabbits' Knee Joints. A Light and Electron Microscopic Study 949
Fisher AA *see* **Fries IB**

PAGE

Fitzgerald RH Jr. *see* **Nolan DR**
Flesch JR et al. Harrington Instrumentation of Thoracic and Lumbar Spinal Injuries 1025
***Flynn JC, Richards JF Jr.** and **Saltzman RL** Prevention and Treatment of Non-Union of Slightly Displaced Fractures of the Lateral Humeral Condyle in Children. An End-Result Study 1087
Ford W *see* **Perry J**
Forte MR. Structural Analysis Consideration in the Design of the Total Hip Prosthesis 565
***Fountain SS, Hsu LCS, Yau ACMC** and **Hodgson AR.** Progressive Kyphosis following Solid Anterior Spine Fusion in Children with Tuberculosis of the Spine. A Long-Term Study 1104
Fournasier VL *see* **Cameron HU**
Fox JM *see* **Harwin SF**
Franco JA *see* **Brady LP**
***Freiberg RA** and **Stern E.** The Hip Lifter. An Aid to Total Hip-Replacement Arthroplasty Performed in the Supine Position 429
Friedenberg ZB *see* **Brighton CT**
Friedlaender GE and **Mitchell MS.** A Laboratory Model for the Study of the Immunobiology of Osteosarcoma 583
Friedman B et al. Effects of Age and Mechanical Deformation on the Ultrastructure of Tendon 580
Friedman B *see* **Finsterbush A**
***Fries IB, Fisher AA** and **Salvati EA.** Contact Dermatitis in Surgeons from Methylmethacrylate Bone Cement 547
Froning EC. Motivation Evaluation for Predicting the Results of Low Back Operations 1034
Frykman GK et al. Functional Results of Replanted Non-Viable Digits 132
Fukuda H *see* **Seki T**
***Furey JG.** Plantar Fasciitis. The Painful Heel Syndrome 672

G

***Galante JO, Rostoker W** and **Doyle JM.** Failed Femoral Stems in Total Hip Prostheses. A Report of Six Cases 230
Gamble WE *see* **Ferlic DC**
Gardner ED. Modern Embryology, Pre-Natal Diagnosis and Orthopaedics 1170
Gardner GM *see* **Gore DR**
Garrick JG *see* **Tipton WW Jr.**
***Gelberman RH, Posch JL** and **Jurist JM.** High-Pressure Injection Injuries of the Hand 935
***Gelberman RH, Verdeck WN** and **Brodhead WT.** Supraclavicular Nerve-Entrapment Syndrome 119
***Gelberman RH, Salamon PB, Jurist JM** and **Posch JL.** Ulnar Variance in Kienböck's Disease 674
Gerberg E *see* **Brooks HL**
Ghavamian T. Future of Minor Scoliotic Curves of the Spine 134
***Giannestras NJ** and **Bronson JL.** Malignant Schwannoma of the Medial Plantar Branch of the Posterior Tibial Nerve (Unassociated with von Recklinghausen's Disease). A Case Report 701
***Gifford DB, Patzakis M, Ivler D** and **Swezey RL.** Septic Arthritis Due to Pseudomonas in Heroin Addicts 631
Gilbert MS *see* **Korn JA**
Gilbert RJ et al. Open Reduction with Patellar Tendon Elongation for Congenital Dislocation of the Knee 133
Gillespie R *see* **Canale ST**
Gillespie R *see* **Kostuik JP**
Gladden MP *see* **Dorn W III**
Glimcher MJ et al. Transplantation of M-P Joints of Rabbits After Chemical Modification of the Articular Cartilage 571
Glimcher MJ *see* **Lipshitz H**
Goldberg VM and **Powell A.** Mitogen Induced Responsiveness of Lymphocytes in Rheumatoid Arthritis 585
Goldberg VM et al. The Influence of Immune Synovitis on the Failure Mode and Strength of the Anterior Cruciate 580
Goldner JL *see* **Groves RJ**
***Goldsmith NF** and **Johnston JO.** Bone Mineral: Effects of Oral Contraceptives, Pregnancy, and Lactation 657
Goldstein LA. The Management of Lumbosacral Spondylolisthesis Associated with Scoliosis 1173
Goldstone R *see* **Ambrose J**
Gomar F *see* **Peiro A**
Goodwin HN *see* **Becton JL**
***Gore DR, Murray MP, Sepic SB** and **Gardner GM.** Walking Patterns of Men with Unilateral Surgical Hip Fusion 759
Gore DR *see* **Murray MP**
***Grantham SA** and **Imbriglia JE.** Double-Level Spondylolysis and Transitional Vertebra. Case Report 713
***Green DP.** Pins and Plaster Treatment of Comminuted Fractures of the Distal End of the Radius 304
***Green P** and **Whittaker RP.** Benign Chondroblastoma. Case Report with Pulmonary Metastasis 418
Green SA. The Effect of Methyl Methacrylate on Phagocytosis 583
Greenlee TK Jr. A New Look at Local Resection in Tumors of Bone 139
Griffin TW Jr. and **Huster RH.** Rush Rod Fixation of Colles' Fracture in the Elderly 1030
Gristina AG et al. Neuropathy of the Foot and Ankle 1035
Gross AE *see* **Langer F**
Grossman A *see* **Ehrlich MG**
***Groves RJ** and **Goldner JL.** Restoration of Strong Opposition after High Median-Nerve or Brachial Plexus Paralysis 112
Grow T and **Dunn AW.** Treatment of Aseptic Necrosis of the Femoral Head by Bone Graft 1173
Gunn DR *see* **Convery FR**
Gustilo RB and **Anderson J.** An Analysis of 1,025 Open Fractures Treated at Hennepin County Medical Center — A Retrospective and Prospective Study 1029

PAGE

H

*Haas SS, Brauer GM and Dickson G. A Characterization of Polymethylmethacrylate Bone Cement ... 381
Habermann ET et al. Treatment of 1,000 Consecutive Hip Fractures by the Use of the Sliding Nail-Variable Angle Plate Method ... 1022
Hackethorn JC et al. Review of 156 Open Femoral Fractures. Treatment with Traction and Cast Bracing ... 1029
Hall JE. The Management of Kyphosis ... 1173
Hall JE *see* Kostuik JP
Hall JE *see* Rosenthal RK
Hamburger RJ *see* Lindseth RE
*Hamilton JJ and Schmidt AC. Scoliosis with Spontaneous Transposition of the Spinal Cord. Clinical and Autopsy Study ... 474
*Hamilton WC, Ramsey PL, Hanson SM and Schiff DC. Osseous Xanthoma and Multiple Hand Tumors as a Complication of Hyperlipidemia. Report of a Case 551
Hamilton WC et al. Supracondylar Fracture of the Femur in the Elderly Patient 1031
Hamlin C and Littler JW. Segmental Tendon Graft Restoration of Extensor Pollicis Longus Distruption ... 729
Hammond NL III *see* Canale ST
Hanaoka H *see* Seki T
Hanlon JJ *see* Imatani RJ
Hann JB III. The L. D. Howard Technique of Achilles Tendon Repair (A Posthumous Tribute) ... 132
Hanson SM *see* Hamilton WC
Harley JD *see* Oppenheim WL
*Harrelson JM and Newman M. Hypertrophy of the Flexor Carpi Ulnaris as a Cause of Ulnar-Nerve Compression in the Distal Part of the Forearm. Case Report ... 554
Harrington KD. The Use of Methyl Methacrylate as an Adjunct in the Internal Fixation of Unstable Comminuted Fractures in Osteoporotic Patients ... 138
*Harrington KD. The Use of Methylmethacrylate as an Adjunct in the Internal Fixation of Unstable Comminuted Intertrochanteric Fractures in Osteoporotic Patients ... 744
Harrington PR *see* Ponder RC
Harris WR *see* Hornby R
*Harvey FJ, Hodgkinson AHT and Harvey PM. Intramedullary Nailing in the Treatment of Open Fractures of the Tibia and Fibula ... 909
Harvey JP Jr. *see* Meyers MH
Harvey JP Jr. *see* Patzakis MJ
Harvey PM *see* Harvey FJ
*Harwin SF, Fox JM and Sedlin ED. Volar Dislocation of the Bases of the Second and Third Metacarpals. A Case Report ... 849
Hasegawa O *see* Ohno T
*Hassmann GC and Shauble JF. Acute Respiratory Failure Complicating Multiple Fractures in the Absence of Fat Embolism. A Study of Pathogenesis and Treatment and a Preliminary Report of Catheterization of the Right Side of the Heart ... 188
*Hassmann GC, Brunn F and Neer CS II. Recurrent Dislocation of the Elbow . 1080
*Hastings DE and Evans JA. Rheumatoid Wrist Deformities and Their Relation to Ulnar Drift ... 930
Hastings DE *see* Cameron HU
Hawkins RB *see* Millender LH
Hawkins RJ *see* Fielding JW
Hawthorne HM *see* Yu WY
Heater RD et al. Review of Management of Fractures of the Femur ... 135
Heiple KG *see* Burstein AH
Helton DO *see* Reckling FW
Henke JA et al. Load Bearing Characteristics of the Patello-Femoral Joint 572
*Hensinger RN. Gangrene of the Newborn. A Case Report ... 121
Hensinger RN and Lang JR. Surgical Management of Spondylolisthesis in Childhood and Adolescence ... 1031
Hensinger RN *see* Ramsey PL
Heppenstall RB et al. Gas Tensions in Healing Tissues of Traumatized Patients 1029
*Herndon JH, Littler JW, Watson FM and Eaton RG. Traumatic Amputation of the Thumb and Three Fingers: Treatment by Digital Pollicization. A Case Report ... 708
Herndon JH et al. Management of Painful Neuromata in the Hand ... 1172
*Herndon WA, Hershey SL and Lambdin CS. Thrombosis of the Ulnar Artery in the Hand. Report of Five Cases ... 994
*Herness D and Makin M. Articular Damage in Familial Mediterranean Fever. Report of Four Cases ... 265
Hershey SL *see* Herndon WA
*Hilgartner MW and Arnold WD. Hemophilic Pseudotumor Treated with Replacement Therapy and Radiation. Report of a Case ... 1145
Hodgkinson AHT *see* Harvey FJ
Hodgson AR *see* Fountain SS
Hodgson AR *see* O'Brien JP
Hoek KJ. Scoliosis in Osteogenesis Imperfecta ... 136
Hoekman RE et al. The Results of Chiari Innominate Osteotomy for Hip Dislocation and Dysplasia ... 135
*Hoeksema HD, Olsen C and Rudy R. Fracture of Femoral Neck and Shaft and Repeat Neck Fracture in a Child. Case Report ... 271
Hoffer M and Brink J. Orthopedic Management of Acquired Cerebrospasticity in Childhood ... 137
Hoffer M *see* Bonnett C
Hoffman S *see* Baxt S
Hohl M *see* McMaster PE
Holloway M *see* Ferlic DC
Holtrop ME and Watts HG. Osteoporosis Associated with Acute Lymphoblastic Leukemia ... 581
Homsy CA et al. Functional Stabilization of Skeletal Implants Using a Porous Low Modulus System with Emphasis on Tendon and Ligament Prostheses .. 581
*Honeggar MM *see* Winter WG Jr.
*Horan F and Beighton P. Orthopaedic Aspects of the Schwartz Syndrome 542
*Hornby R and Harris WR. Syme's Amputation. Follow-up Study of Weight-Bearing in Sixty-eight Patients ... 346
Houset RG et al. New Functional Partial-Hand Prostheses ... 725
Howell DS et al. Pyrophosphate Metabolism in Human Cartilage ... 579
Howland J. Irrigation-Suction Technique in the Treatment of Osteomyelitis .. 133
Hsu LCS *see* Fountain SS
Hubbard S *see* Kostuik JP
Hughes JD *see* Convery FR
Huncke BH et al. Chemonucleolysis: An Evaluation of Successful Results and Failures ... 1034
Huntington RW Jr. *see* Winter WG Jr.
*Huvos AG and Marcove RC. Adamantinoma of Long Bones. A Clinicopathological Study of Fourteen Cases with Vascular Origin Suggested 148

I

Ildefonso Fernandez C *see* Peiro A
*Imatani RJ, Hanlon JJ and Cady GW. Acute, Complete Acromioclavicular Separation ... 328
Imbriglia JE *see* Grantham SA
Inglis AE and Jones EC. Proximal Row Carpectomy for Disease of the Proximal Row ... 726
Inglis AE et al. Ruptures of the Tendo Achillis: An Objective Assessment of Non-Surgical and Surgical Treatment ... 1172
Inglis AE *see* Stovell PB
Irwin RS *see* Parker MD
*Isaacson J, Louis DS and Costenbader JM. Arterial Injury Associated with Closed Femoral-Shaft Fracture. Report of Five Cases ... 1147
Iselin F and Peze W. Use of Chemically Preserved Tendon Allografts in Hand Surgery ... 727
Ishii Y *see* Seki T
Ivler D *see* Gifford DB
Ivler D *see* Patzakis MJ

J

*Jackson DW. Unilateral Osseous Bridging of the Lumbar Transverse Processes following Trauma. Case Report ... 125
Jackson DW and Bailey D. Shin Splints in the Young Athlete: A Non-Specific Diagnosis ... 137
Jackson DW *see* Wiltse LL
Jackson JG III *see* Becton JL
Jackson RW *see* Dandy DJ
Jacob R *see* Cameron HU
Jacobs RR and McClain O. The Pulmonary Effects of Methylprednisolone on Musculoskeletal Trauma in Dogs ... 573
Jacobsen D *see* Winter WG Jr.
Jacobsen T *see* Lichter RL
Jacobson JH *see* Korn JA
Jansey F *see* Abraham E
Jennings JJ and Harris WH. Clinical Evaluation of Aspirin as a Prophylactic Agent against Thromboembolic Disease Following Total Hip Replacement .. 1170
Johnson BL Jr. *see* Schurman DJ
Johnson EW Jr. *see* Brewster RC
Johnson JTH. Pelvic Ring Reconstruction after Tumor Resection ... 1171
*Johnson JTH and Crothers O. Nailing versus Prosthesis for Femoral-Neck Fractures. A Critical Review of Long-Term Results in Two Hundred and Thirty-nine Consecutive Private Patients ... 686
*Johnson KA. Arthroplasty of Both Hips and Both Knees in Rheumatoid Arthritis ... 901
*Johnson MK and Lawrence JF. Metaplastic Bone Formation (Myositis Ossificans) in the Soft Tissues of the Hand. Case Report ... 999
Johnson RK *see* Shrewsbury M
Johnston AD *see* Tornberg DN
Johnston AD *see* Worland RL
Johnston JO *see* Goldsmith NF
Johnston RM. Microscopic Study of Human Epiphyseal Plate Fractures 138
Jones H *see* Ehrlich MG
Jones JP Jr. and Behnke AR Jr. Prevention of Dysbaric Osteonecrosis in Compressed Air Workers Employed in Tunneling Operations by the Bay Area Rapid Transit District (BART) ... 1032
Jones RS *see* Diaz JE
Joyce JJ III *see* Ecker ML
Jurist JM *see* Gelberman RH

K

Kako K *see* Ohno T
*Kamhi E and MacEwen GD. Osteochondritis Dissecans in Legg-Calvé-Perthes Disease ... 506
*Kamhi E and MacEwen GD. Treatment of Legg-Calvé-Perthes Disease. Prognostic Value of Catterall's Classification ... 651
*Karlström G and Olerud S. Percutaneous Pin Fixation of Open Tibial Fractures. Double-Frame Anchorage Using the Vidal-Adrey Method ... 915
*Karlström G, Lönnerholm T and Olerud S. Cavus Deformity of the Foot after Fracture of the Tibial Shaft ... 893
Kassab MT *see* Elstrom JA
Katz JL et al. Shear Viscoelastic Response in Human and Bovine Cortical Bone . 578
Kaufer H et al. Peaked Plateaus: A Complication of Proximal Tibial Osteotomy 1027
Kaufer H et al. The Spherocentric Knee ... 1171
Kaye JJ *see* Warren R
Kazarian LE. A Biomechanical Study of the Human Intervertebral Disk — With and Without Its Nucleus Pulposus ... 582
Keene JS *see* McBeath AA
*Keim HA and Reina EG. Osteoid-Osteoma as a Cause of Scoliosis ... 159
*Kellsey DC. The Anatomy of Orthopaedic Malpractice. A Study of Two Hundred and Fifty Cases ... 1013

* Indicates full article.

PAGE

Kelly PJ *see* **Paradis GR**
Keniston RC *see* **Nathan PA**
Kettelkamp DB et al. Motion, Patella and Plateau Force after Proximal Tibial Osteotomy ... 1028
King G *see* **Searfoss R**
King GJ and **Holtrop ME.** Demonstration of Actin Filaments in Bone Cells with Heavy Meromyosin ... 578
King GJ et al. A Quantitative Study of the Time Course Changes in the Ultrastructure and Activity of Osteoclasts in Bones Stimulated by Parathyroid Hormone (PTH) in Organ Culture ... 577
***King J.** Impotence after Fractures of the Pelvis ... 1107
Kinman PB et al. Gunshot Wounds of Extremities ... 1029
***Kino Y.** Clinical and Experimental Studies of the Congenital Constriction Band Syndrome, with an Emphasis on Its Etiology ... 636
Klassen RA et al. Traumatic Instability of the Cervical Spine: Treatment with Halo Cast Fixation ... 1025
Klawitter JJ and **Weinstein AM.** Structure and Properties of Subchondral Cancellous Bone ... 578
Klein L *see* **Burstein AH**
Kleinert H *see* **Blalock HS**
Kleit SA *see* **Lindseth RE**
Kohl EJ *see* **Ecker ML**
Koide O *see* **Seki T**
Kopits SE. Lower Limb Deformities in Dwarfism ... 1172
***Korn JA, Gilbert MS, Siffert RS** and **Jacobson JH.** *Clostridium welchii* Arthritis. Case Report ... 555
***Kostuik JP, Gillespie R, Hall JE** and **Hubbard S.** Van Nes Rotational Osteotomy for Treatment of Proximal Femoral Focal Deficiency and Congenital Short Femur ... 1039
Kraus JF and **Riggins RS.** Neurological Deficit and Spinal Column Injuries ... 134
Krause W et al. Mechanical Changes in the Knee Post Meniscectomy ... 570
Krengel WF Jr. and **Romano RL.** Early Ambulation and Weight-Bearing of Tibial Shaft Fractures ... 139
Krieger MI *see* **Ellman MH**
Kuettner KE et al. The Possible Function of Lysozyme in Cartilage Metabolism ... 579
Kuo KK et al. Immunodeficiency and Infantile Bone and Joint Infection ... 1023
Kutz J *see* **Blalock HS**

L

***LaBriola JH** and **Mohaghegh HA.** Isolated Avulsion Fracture of the Lesser Tuberosity of the Humerus. A Case Report and Review of the Literature ... 1011
***Lai CC, Singer L** and **Armstrong WD.** Bone Composition and Phosphatase Activity in Magnesium Deficiency in Rats ... 516
Lakes RS et al. Biaxial Stress Relaxation and Dynamic Properties of Human Cortical Bone ... 578
Lambdin CS *see* **Herndon WA**
Lamorgese JR *see* **Tabaddor K**
***Lancourt JE** and **Cristini JA.** Patella Alta and Patella Infera: Their Etiological Role in Patellar Dislocation, Chondromalacia, and Apophysitis of the Tibial Tubercle ... 1112
Landis WJ et al. An Examination of Bone Ultrastructure Using Inert Dehydration and Ultracryomicrotomy for Specimen Preparation ... 571
Lane JM et al. In Vivo Rabbit Articular Cartilage Model: Effect of Varying Oxygen Tensions on $^{35}SO_4$-Glycosaminoglycan Degradation ... 570
Lane LB et al. A Study of Endochondral Ossification in the Adult — A Mechanism for Continuous Joint Remodelling? ... 576
Lang AG. Cup Arthroplasty in Children and Adolescents ... 1023
Lang BD *see* **Steel HH**
***Langer F, Czitrom A, Pritzker KP** and **Gross AE.** The Immunogenicity of Fresh and Frozen Allogeneic Bone ... 216
Larson RK *see* **Winter WG Jr.**
Larsson K *see* **Van Der Linden W**
***Larsson S-E, Lorentzon R** and **Boquist L.** Malignant Hemangioendothelioma of Bone ... 84
***Larsson S-E, Lorentzon R** and **Boquist L.** Giant-Cell Tumor of Bone. A Demographic, Clinical, and Histopathological Study of All Cases Recorded in the Swedish Cancer Registry for the Years 1958 through 1968 ... 167
***Lassa R** and **Shrewsbury MM.** A Variation in the Path of the Deep Motor Branch of the Ulnar Nerve at the Wrist ... 990
Lawrence JF *see* **Johnson MK**
Lazaro L III. Congenital Ulnar Nerve Instability at the Elbow, Ulnar Injury Due to Elbow Flexion ... 1030
Lee NH and **Shapiro IM.** Kinetic Studies of Calcium Transport by Cartilage Mitochondria ... 576
Leidholt JD *see* **Ferlic DC**
Leitzes SM *see* **Scott RD**
Lemons JE et al. Preliminary Studies on a Composite Tendon Prosthesis Design ... 581
***Letts RM** and **Shokeir MHK.** Mirror-Image Coxa Vara in Identical Twins ... 117
***Letts RM, Palakar G** and **Bobechko WP.** Preoperative Skeletal Traction in Scoliosis ... 616
Leventen EO. Optical Sound Movie — "Bunion Surgery" ... 138
***Lichter RL** and **Jacobsen T.** Tardy Palsy of the Posterior Interosseous Nerve with a Monteggia Fracture ... 124
***Lieberg OU, Penner JA** and **Bailey RW.** Fibrosarcoma Presenting as a Pseudotumor of Hemophilia. Report of an Unusual Case ... 422
Lindseth RE. Bilateral Posterior Iliac Osteotomy for Fixed Pelvic Obliquity ... 1172
***Lindseth RE, Hamburger RJ, Szwed JJ** and **Kleit SA.** Acute Renal Failure following Trauma ... 830
Lippert FG III *see* **Oppenheim WL**
***Lipscomb PR.** Orthopedics, Orthopaedic Surgery, Musculoskeletology, Orthopaedics ... 872
***Lipshitz H, Etheredge R III** and **Glimcher MJ.** *In Vitro* Wear of Articular Cartilage. I. Hydroxyproline, Hexosamine, and Amino Acid Composition of Bovine Articular Cartilage as a Function of Depth from the Surface; Hydroxyproline Content of the Lubricant and the Wear Debris as a Measure of Wear ... 527
Littler JW *see* **Herndon JH**
***Liu TK.** Transplantation of Preserved Composite Tendon Allografts. An Experimental Study in Chickens ... 65
Lombardo SJ. A Review of 35 Distal Femoral Epiphysis Fractures ... 136
***London JT** and **Nichols O.** Paralytic Dislocation of the Hip in Myelodysplasia. The Role of the Adductor Transfer ... 501
Lönnerholm T *see* **Karlström G**
Lorentzon R *see* **Larsson S-E**
Louis DS et al. Congenital Bipartite Scaphoid — Fact or Fiction? ... 724
Louis DS *see* **Isaacson J**
Lovell WW *see* **Winter RB**
Lukins JL. Classification of Perthes Disease and Its Implications ... 136
***Lundborg G.** Review Article. Structure and Function of the Intraneural Microvessels as Related to Trauma, Edema Formation, and Nerve Function ... 938
Lundborg G. Structure and Function of the Intraneural Microvessels as Related to Trauma, Edema Formation and Nerve Function ... 725
Lunseth PA and **Heiple KG.** Prognosis in Septic Arthritis of the Hip in Children 1023
Lynch JA. Bone Scanning — An Aid to Diagnosis in the Painful Total Hip Replacement ... 1024

M

***McBeath AA** and **Keene JS.** The Rib-Tip Syndrome ... 795
McBryde AM Jr. et al. Electromyography and the Lumbar Disc Syndrome ... 1034
McCue FC *see* **O'Hara JP III**
MacDonald RI *see* **Mathison GW**
McElhinney JP et al. Treatment of Subluxation of the Patella ... 132
***MacEwen GD, Bunnell WP** and **Sriram K.** Acute Neurological Complications in the Treatment of Scoliosis. A Report of the Scoliosis Research Society ... 404
MacEwen GD *see* **Kamhi E**
McFarland GB Jr. *see* **Brown DC**
***McLaughlin RE, Sweet DE, Webster T** and **Merritt WM.** Chondroblastoma of the Pelvis Suggestive of Malignancy. Report of an Unusual Case Treated by Wide Pelvic Excision ... 549
McLaughlin RE et al. Properties of Porous Acrylic Bone Cement ... 579
McMaster JH. Growth and Carbohydrate Metabolism in Osteosarcoma ... 572
McMaster JH. Hormone Therapy: A New Approach to Osteosarcoma ... 1171
McMaster JH and **Scranton PE Jr.** Tibiofibular Synostosis: A Cause of Ankle Disability ... 1035
***McMaster PE** and **Hohl M.** Tibiofibular Cross-Peg Grafting. A Salvage Procedure for Complicated Ununited Tibial Fractures ... 720
McMaster WC. Tendon Grafting Using Fixed Homogenous Tendon ... 136
***McMaster WC** and **Silber I.** An Urological Complication of Dwyer Instrumentation ... 710
McNeal D *see* **Waters RL**
Mackel JL and **Lindseth RE.** Scoliosis in Myelodysplasia ... 1031
Macnab I. Lumbar Nerve Root Entrapment Syndrome ... 1173
Macnab I *see* **Cameron HU**
***Madigan R, Wissinger HA** and **Donaldson WF.** Preliminary Experience with a Method of Quadricepsplasty in Recurrent Subluxation of the Patella ... 600
Makin M *see* **Herness D**
Makley JT et al. Varus-Medial Displacement Osteotomy of the Hip for Control of Valgus Instability in Children ... 1172
Malcolm LL et al. Steady-State Dynamic Frictional Properties of Cartilage-Cartilage Interfaces ... 567
Mallory TH and **Kennedy M.** The Use of Banked Autogenous Blood in Total Hip Replacement Surgery ... 1033
Mankin HJ and **Thrasher AZ.** Biochemical Observation on Articular Cartilage of Osteonecrotic Human Femoral Heads ... 571
Mankin HJ and **Thrasher AZ.** Variation in Rates of Glycosaminoglycan Synthesis in Rabbit Cartilage with Aging ... 575
***Mankin HJ** and **Thrasher AZ.** Water Content and Binding in Normal and Osteoarthritic Human Cartilage ... 76
Mankin HJ et al. Massive Allograft Transplantation for Bone Tumors — Early Experiences and Use of Glycerinization to Preserve Cartilage ... 1171
Mankin HJ *see* **Ehrlich MG**
Mann LI. Rotatory Subluxation of the Carpal Navicular ... 132
Mann RA et al. Developmental Posterior Dislocation of the Radial Head. Ten Cases Resulting from Ulnar Hypoplasia ... 132
Mann RA et al. The Posterior Calf Muscles in Normal Gait ... 574
***Mannerfelt L** and **Andersson K.** Silastic Arthroplasty of the Metacarpophalangeal Joints in Rheumatoid Arthritis. Long-Term Results ... 484
Mantz FA *see* **Reckling FW**
***Maquet PG, Van de Berg AJ** and **Simonet JC.** Femorotibial Weight-Bearing Areas. Experimental Determination ... 766
Marafioti RL and **Westin GW.** Twenty Years Experience with Multiple Osteotomies and Intramedullary Fixation in Osteogenesis Imperfecta (Including the Bailey Expandable Rod) at the Shriners Hospital, Los Angeles, California ... 136
***Marar BC** and **Pillay VK.** Chondromalacia of the Patella in Chinese. A Postmortem Study ... 342
Marcove RC et al. Low Grade Chondrosarcomas Treated by Cryosurgery ... 1026
Marcove RC *see* **Huvos AG**
Markolf KL et al. In-Vitro Measurement of Ligamentous Knee Stability — A Biomechanical Study ... 580
Marks KE et al. Antibiotic Impregnated Acrylic Bone Cement ... 138
***Marsh BW, Bonfiglio M, Brady LP** and **Enneking WF.** Benign Osteoblastoma: Range of Manifestations ... 1
Marshall JL *see* **Wang JB**
Martin RK et al. The Influence of Exercise vs. Progesterone on Bone Turnover in Dogs ... 573
Martin WE *see* **Convery FR**
Marvel JP Jr. Comminuted Fractures of the Distal End of the Radius Treated by Pins and Plaster Technique ... 1030
***Mathison GW** and **MacDonald RI.** Irreducible Transcapitate Fracture and Dis-

PAGE

location of the Hamate. Report of a Case ... 1166
Matos M et al. Myositis Ossificans Following Total Hip Replacement ... 137
***Matsen FA III** and **Clawson DK.** The Deep Posterior Compartmental Syndrome of the Leg ... 34
Matthews LS and **Sonstegard DA.** The Use of a Force or Torsional Moment Control Program for the Correction of Contractures or Deformities ... 1032
Matthews LS *see* **Baril JD**
Matthews LS *see* **Stubbs BE**
Matthews TJ *see* **Moore WB**
Mayer TG. Laminectomy in Traumatic Quadriplegia ... 136
Mayfield GW *see* **Ballard A**
Mayfield JK et al. Carpal Injuries — An Experimental Approach. Anatomy, Kinematics and Perilunate Injuries ... 725
Mechanic GL. Direct Determination of Stable Structural Crosslinks in Bone and Dentin Collagen ... 584
Menkes CJ *see* **Delbarre F**
Mensch JS et al. The Use of P.M.M.A. as an Adjunct to Internal Fixation Devices for Stabilization of Segmental Defects in the Human Femur — A Torsional Study ... 576
Mensor MC. The Early Beginnings of the Western Orthopedic Association ... 138
Merritt WM *see* **McLaughlin RE**
Messner DG. The Handicapped Athlete on Snow ... 136
Meyer LC *see* **Barden GA**
***Meyer S, Weiland AJ** and **Willenegger H.** The Treatment of Infected Non-Union of Fractures of Long Bones. Study of Sixty-four Cases with a Five to Twenty-one Year Follow-up ... 836
Meyers MH. Isolated Avulsion Fractures of the Tibial Attachment of the Posterior Cruciate Ligament ... 1028
***Meyers MH.** Isolated Avulsion of the Tibial Attachment of the Posterior Cruciate Ligament of the Knee ... 669
***Meyers MH, Moore TM** and **Harvey JP Jr.** Displaced Fracture of the Femoral Neck Treated with a Muscle-Pedicle Graft. With Emphasis on the Treatment of These Fractures in Young Adults ... 718
***Meyers MH, Moore TM** and **Harvey JP Jr.** Traumatic Dislocation of the Knee Joint ... 430
Mickelson MR *see* **Wenger DR**
Miki H *see* **Ohno T**
***Mikić Ž Dj.** Galeazzi Fracture-Dislocations ... 1071
***Milford L.** In Praise of Hands. Presidential Address, American Society for Surgery of the Hand ... 728
Milgram JW. The Origins and Evolution of Synovial Osteochondromatosis ... 1026
***Millender LH, Nalebuff EA, Hawkins RB** and **Ennis R.** Infection after Silicone Prosthetic Arthroplasty in the Hand ... 825
Millender LH et al. Analysis of Infections after Silicone Rubber Prosthesis in the Hand ... 724
Millender LH *see* **Southmayd WW**
Miller CW et al. Immunotherapy of Murine Osteosarcoma ... 584
***Miller EH** and **Semian DW.** Gram-Negative Osteomyelitis following Puncture Wounds of the Foot ... 535
Miller G *see* **Searfoss R**
***Miller JW.** Acquired Hallux Varus: A Preventable and Correctable Disorder ... 183
Miller RA et al. A Porous Titanium Endoprosthesis for Replacement of Lost Segments of Long Bones ... 1170
Miller W *see* **Rosenthal RK**
Millis MB et al. Diagnosis and Treatment of Proximal Interphalangeal Joint Stiffness in Rheumatoid Arthritis — An Additional Etiologic Factor ... 1030
Mital MA. Flexion Contractures and Involuntary Flexor Bias in the Upper Extremities at Elbows — Its Surgical Management ... 1031
Mitchell N *see* **Behrens F**
***Moberg E.** Surgical Treatment for Absent Single-Hand Grip and Elbow Extension in Quadriplegia. Principles and Preliminary Experience ... 196
Modig J et al. The Importance of Intravascular Coagulation, Fat Embolism and Acrylic Monomers for Respiratory and Circulatory Dysfunctions During Intramedullary Endoprosthetic Surgery ... 583
Moe JH *see* **Bradford DS**
Moe JH *see* **Robins PR**
Moe JH *see* **Winter RB**
***Moeller JC.** Compound Posterior Dislocation of the Glenohumeral Joint. Case Report ... 1006
Mohaghegh HA *see* **LaBriola JH**
Montalvo FJ *see* **Bradford DS**
Moon NF. Adamantinoma of the Appendicular Skeleton ... 139
Moore TM *see* **Meyers MH**
Moore TM *see* **Patzakis MJ**
***Moore WB, Matthews TJ** and **Rabinowitz R.** Genitourinary Anomalies Associated with Klippel-Feil Syndrome ... 355
Moreland MS. Morphologic Effects of Torsion Applied to Growing Bone ... 569
Morgan RC Jr. et al. The Effect of Laminectomy on the Pediatric Spinal Cord Injured Patient ... 1025
Mori K *see* **Baxt S**
Morrey BF et al. Suppurative Arthritis of the Hip in Children ... 1023
Mow VC and **Kuei CK.** The Effect of Viscoelasticity on the Squeeze Film Action of Lubrication of Synovial Joints ... 567
Mullen MP. Total Knee Arthroplasty: 100 Cases One Year Later ... 134
Murphy J. The Lexan Jacket in the Conservative Treatment of Scoliosis — A Comparison of Results Obtained with the Milwaukee Brace ... 136
***Murray MP, Seireg AA** and **Sepic SB.** Normal Postural Stability and Steadiness: Quantitative Assessment ... 510
***Murray MP, Brewer BJ, Gore DR** and **Zuege RC.** Kinesiology after McKee-Farrar Total Hip Replacement. A Two-Year Follow-up of One Hundred Cases ... 337
Murray MP *see* **Gore DR**
Murray WR and **Rodrigo JJ.** Arthrographic Studies on Patients with Painful as Compared with Asymptomatic Total Hip Replacements ... 1024
***Murray WR** and **Rodrigo JJ.** Arthrography for the Assessment of Pain after Total Hip Replacement. A Comparison of Arthrographic Findings in Patients with and without Pain ... 1060

N

Nalebuff EA *see* **Millender LH**
Nalebuff EA *see* **Southmayd WW**
***Nasca RJ, Stelling FH III** and **Steel HH.** Progression of Congenital Scoliosis Due to Hemivertebrae and Hemivertebrae with Bars ... 456
Nashold BS Jr. et al. Direct Electrical Stimulation of the Peripheral Nerves for Relief of Intractable Pain ... 729
***Nathan PA** and **Keniston RC.** Crossed Polydactyly. Case Report and Review of the Literature ... 847
Neer CS II *see* **Hassmann GC**
***Neff JR** and **Enneking WF.** Adoptive Immunotherapy in Primary Osteosarcoma. An Interim Report ... 145
Nelson CL et al. Evaluation of a Clean Air System ... 137
Nelson CL et al. Infected Total Hip Replacement — Results and Complications ... 1025
Nelson JP. Bacterial Studies in a Horizontal Flow Operating Room Clean Room ... 137
Neviaser RJ et al. Complications of Anticoagulation and Arterial Puncture ... 1030
Newman M *see* **Harrelson JM**
Newton SE III. Total Ankle Replacement Arthroplasty — An Alternative to Ankle Fusion ... 133
Newton SE III. Total Ankle Replacement Arthroplasty. An Alternative to Ankle Fusion ... 1033
Nichols O *see* **London JT**
Nickel VL *see* **Bonnett C**
Nimberg G *see* **Alvarez A**
***Noble J.** Congenital Absence of the Anterior Cruciate Ligament Associated with a Ring Meniscus. Report of a Case ... 1165
***Nolan DR, Fitzgerald RH Jr., Beckenbaugh RD** and **Coventry MB.** Complications of Total Hip Arthroplasty Treated by Reoperation ... 977
Noyes FR et al. Biomechanical and Ultrastructural Changes in Ligaments and Tendons After Local Corticosteroid Injections ... 876

O

Obara K *see* **Ohno T**
***O'Brien JP, Dwyer AP** and **Hodgson AR.** Paralytic Pelvic Obliquity. Its Prognosis and Management and the Development of a Technique for Full Correction of the Deformity ... 626
O'Brien JP *see* **Tredwell SJ**
O'Connor RL et al. An Unusual Tear of the Lateral Meniscus Diagnosable Only by Arthroscopy ... 139
Oganesian OV *see* **Volkov MV**
***O'Hara JP III, Tegtmeyer C, Sweet DE** and **McCue FC.** Angiography in the Diagnosis of Osteoid-Osteoma of the Hand ... 163
O'Hara JP et al. Effects of Dichloromethylene Diphosphonate, Ethane-1-Hydroxy-1, 1-Diphosphonate, and Rickets in Rats ... 577
***Ohno T, Abe M, Tateishi A, Kako K, Miki H, Sekine K, Ueyama H, Hasegawa O** and **Obara K.** Osteogenic Sarcoma. A Study of One Hundred and Thirty Cases ... 397
O'Leary P et al. The Cervical Spine in Rheumatoid Arthritis ... 1034
Olerud S *see* **Karlström G**
Olerud SE *see* **Solhaugh JH**
Olsen C *see* **Hoeksema HD**
Olver CH *see* **Smith DM**
Onkelinx C. Pharmacokinetics of Nickel (II), Cobalt (II), and Chromium (III) in the Rat ... 582
***Oppenheim WL, Harley JD** and **Lippert FG III.** Arteriographic Management of Postoperative Bleeding following Major Hip Surgery. Case Report ... 127

P

Palakar G *see* **Letts RM**
***Palande DD.** Oppenensplasty in Intrinsic-Muscle Paralysis of the Thumb in Leprosy ... 489
Pangalides Th *see* **Symeonides PP**
Panjabi MM et al. Cervical Spine Mechanics as a Function of Ligament Transection ... 582
Pankovich A *see* **Elstrom JA**
Pankovich AM *see* **Abraham E**
Pappagianis D *see* **Winter WG Jr.**
***Paradies LH.** Synovectomy for Rheumatoid Arthritis of the Knee ... 95
***Paradis GR** and **Kelly JP.** Blood Flow and Mineral Deposition in Canine Tibial Fractures ... 220
Park WI III *see* **Anderson LD**
***Parker MD** and **Irwin RS.** *Mycobacterium kansasii* Tendinitis and Fasciitis. Report of a Case Treated Successfully with Drug Therapy Alone ... 557
Parks BJ et al. Medical and Surgical Importance of the Arterial Blood Supply of the Thumb ... 729
Paschaloglou C *see* **Symeonides PP**
Patel M *see* **Alvarez A**
***Patzakis MJ, Dorr LD, Ivler D, Moore TM** and **Harvey JP Jr.** The Early Management of Open Joint Injuries. A Prospective Study of One Hundred and Forty Patients ... 1065
Patzakis M *see* **Gifford DB**
Paul IL et al. Soft-Tissue Dynamic Force Attenuation in Vivo ... 574
Paul IL *see* **Simon SR**
Pearce HL *see* **Blalock HS**
Pearlman H *see* **Alvarez A**
Peckham PH et al. Strong Fatigue Resistant Contractions Induced Electrically in Paralyzed Muscle for Functional Use ... 580
***Peiro A, Ildefonso Fernandez C** and **Gomar F.** Gluteal Fibrosis ... 987
Pennal GF and **Massiah K.** Non-Union-Fractures of the Pelvis ... 1022
Penner JA *see* **Lieberg OU**
***Perry J, Antonelli D** and **Ford W.** Analysis of Knee-Joint Forces during Flexed-Knee Stance ... 961

* Indicates full article.

PAGE

Perry J et al. Kinesiological Evaluations of Hip Muscles in Cerebral Palsy with Crouched Gait ... 1023
Perry J *see* **Bonnett C**
Perry J *see* **Waters RL**
Peterson HA *see* **Reckles LN**
Peterson LFA et al. Total Hip Arthroplasty for Complete Congenital Dislocation of the Hip ... 138
Pillay VK *see* **Marar BC**
Pilliar RM *see* **Cameron HU**
Piotrowski G *see* **Enneking WF**
Piziali RL. Structural Properties for a Mathematical Model of Lower Extremity Dynamic Response ... 578
Pollack N. The Aberrant Patella — Pathology and Surgical Management ... 1027
Pollis PR *see* **Brighton CT**
***Ponder RC, Dickson JH, Harrington PR** and **Erwin WD.** Results of Harrington Instrumentation and Fusion in the Adult Idiopathic Scoliosis Patient ... 797
Ponder RC et al. Results of Harrington Instrumentation and Fusion in the Adult Idiopathic Scoliosis Patient ... 134
Ponseti IV *see* **Wenger DR**
Posch JL *see* **Gelberman RH**
Posner AS and **Betts F.** Local Order in Bone Mineral and Related Calcium Phosphates ... 571
***Post M** and **Telfer MC.** Surgery in Hemophilic Patients ... 1136
Post M et al. Total Shoulder Replacement ... 1171
Pratt GW *see* **Sarmiento A**
Preston ET *see* **Brashear HR Jr.**
Priest JD. Elbow Changes in the Skilled Tennis Player ... 137
Pritchard DJ and **Soule EH.** Fibrosarcoma of the Soft Tissues of the Extremities and Limb Girdles in Children ... 1027
***Pritchard DJ, Dahlin DC, Dauphine RT, Taylor WF** and **Beabout JW.** Ewing's Sarcoma. A Clinicopathological and Statistical Analysis of Patients Surviving Five Years or Longer ... 10
Pritchard DJ et al. Multiphasic Immunological Profile Testing in Osteogenic Sarcoma ... 584
Pritzker KP *see* **Langer F**
Probst CE Jr. et al. Idiopathic Fanconi Syndrome: Ultrastructural Defects in the Chondrocytes of Two Siblings ... 566
Pugh J. The Role of Cancellous Bone in Joint Function ... 575
Puhl J *see* **Canale ST**
Puhl JJ *see* **Enneking WF**

Q

Quismorio FP *see* **Ross GN**

R

Rab GT and **Chao EY.** Muscle Force Analysis of the Lumbar Spine ... 582
Rabinowitz R *see* **Moore WB**
Radin EL *see* **Simon SR**
Ramsey PL and **Hamilton WC.** Lateral Talar Subluxation: Effect on Tibiotalar Contact Surfaces ... 567
***Ramsey PL** and **Hensinger RN.** Congenital Dislocation of the Hip Associated with Central Core Disease ... 648
Ramsey PL *see* **Hamilton WC**
***Ranawat CS, DeFiore J** and **Straub LR.** Madelung's Deformity. An End-Result Study of Surgical Treatment ... 772
Ranawat C *see* **Sculco TP**
Rankin EA *see* **Dorn W III**
Rasco JL and **Brown WE.** Osteoclasis and Percutaneous Rodding for Correction of Long Bone Deformities in Patients with Osteogenesis Imperfecta . 136
***Reckles LN, Peterson HA, Bianco AJ Jr.** and **Weidman WH.** The Association of Scoliosis and Congenital Heart Defects ... 449
***Reckling FW, Asher MA, Mantz FA** and **Helton DO.** Performance Analysis of an *ex Vivo* Geometric Total Knee Prosthesis ... 108
Redler I et al. Ultrastructural Changes in Aging Human Articular Cartilage .. 575
***Reef TC** and **Brestin SG.** The Extensor Digitorum Brevis Manus and Its Clinical Significance ... 704
Reid RL *see* **Richardson EG**
Reina EG *see* **Keim HA**
***Renne JW.** The Iliotibial Band Friction Syndrome ... 1110
Rice RW and **Moran D.** Spina Bifida: A Scanning Electron Microscopic Study of the Involvement of Cell Surface Material ... 565
Richards JF Jr. *see* **Flynn JC**
***Richardson EG, Boone SC** and **Reid RL.** Intermittent Quadriparesis Associated with a Congenital Anomaly of the Posterior Arch of the Atlas. Case Report . 853
Rieder JJ et al. Reimplantation of Arms: Experiences in Five Cases ... 132
Riggins RS et al. The Effect of Sodium Fluoride on Bone Strength: An Experimental Study with Clinical Implications ... 575
Riggins RS *see* **Tipton WW Jr.**
Rinaldi R et al. Ultrastructural Investigations of Electrical Enhancement of Bone Healing ... 575
Riordan DC et al. The Huber Procedure for Congenital Absence of the Thenar Muscles ... 725
Roberts TL III et al. High-Pressure Injection Injuries of the Hand: The First Hundred Cases ... 725
Robichon J *see* **Bélanger LF**
***Robins PR, Moe JH** and **Winter RB.** Scoliosis in Marfan's Syndrome. Its Characteristics and Results of Treatment in Thirty-five Patients ... 358
Robinson HJ Jr. and **Granda JL.** Synovial Fluid Prostaglandin E Levels in Orthopaedic Diseases ... 573
Rocchio PD *see* **Wiltse LL**
Rockey HC. Postponed Union of Long Bone Fractures with Two-Plate Fixation 135
Rodrigo JJ and **Murray WR.** Arthrographic Studies on Patients with Painful as Compared with Asymptomatic Total Hip Replacement ... 138
Rodrigo JJ *see* **Murray WR**
Romano RL and **Burgess EM.** Total Shoulder Replacement ... 1033

PAGE

Rondier J *see* **Delbarre F**
Rose RM *see* **Simon SR**
***Rosenberg NJ.** Degenerative Spondylolisthesis. Predisposing Factors ... 467
***Rosenthal RK, Deutsch SD, Miller W, Schumann W** and **Hall JE.** A Fixed-Ankle, Below-the-Knee Orthosis for the Management of Genu Recurvatum in Spastic Cerebral Palsy ... 545
***Ross GN, Baraff LJ** and **Quismorio FP.** Serratia Arthritis in Heroin Users ... 1158
Rostoker W and **Galante J.** Wear Studies in Materials for Joint Replacement .. 582
Rostoker W *see* **Galante JO**
Rubin RM et al. Prosthetic Anterior Cruciate Ligament in the Beagle Dog 876
Rubin RM *see* **Wang JB**
Rudy R *see* **Hoeksema HD**
Rushfeldt PD et al. Load Distribution Across Human Acetabular Cartilage: In Vitro Studies Using an Instrumented Femoral Head Prosthesis ... 565
Russell SW and **Clarke TE.** Fractures of the Tibial Shaft ... 1031
Ryan WG. Treatment of Paget's Disease of Bone with Mithramycin: Experiences with 100 Patients ... 1026
Ryder CT *see* **Smith DM**
Ryder CT *see* **Worland RL**
Ryle GP *see* **Tipton WW**

S

Sage FP. Post-Operative Fracture in the Lumbar Facets Following Lumbar Disc Surgery ... 1173
Saha S. Examination of Bone Fracture Surface by Scanning Electron Microscopy 568
Saha S. Tensile Impact Strength of Human Compact Bone and Its Relation to Microstructure ... 578
Sakai DN *see* **Amstutz HC**
Sakamoto M et al. Correlation Between the Synthesis and Release of Bone Collagenase and Bone Resorption Stimulated by Parathyroid Hormone ... 566
Sakamoto S et al. Studies on the Interaction Between Heparin and Mouse Bone Collagenase ... 573
Salamon PB et al. Ulnar Variance in Kienböck's Disease ... 724
Salamon PB *see* **Gelberman RH**
***Salenius P** and **Vankka E.** The Development of the Tibiofemoral Angle in Children ... 259
Salisbury RE et al. Upper Extremity Fungal Invasions Secondary to Large Burns 724
Salter RB et al. The Effects of Continuous Passive Motion on the Healing of Articular Cartilage Defects — An Experimental Investigation in Rabbits 570
Saltzman RI *see* **Flynn JC**
Salvati EA *see* **Fries IB**
Salvati EA *see* **Warren R**
***Samberg LC.** Fracture-Dislocation of the Lumbosacral Spine. A Case Report .. 1007
Samilson RL and **Binder WF.** Symptomatic Full-Thickness Rotator Cuff Tears: An Analysis of 292 Shoulders in 276 Patients ... 132
***Sarmiento A** and **Elkins RW.** Giant Intra-Articular Osteochondroma of the Knee. A Case Report ... 560
***Sarmiento A** and **Wolf M.** Subluxation of Peroneal Tendons. Case Treated by Rerouting Tendons under Calcaneofibular Ligament ... 115
***Sarmiento A, Cooper JS** and **Sinclair WF.** Forearm Fractures. Early Functional Bracing — A Preliminary Report ... 297
***Sarmiento A, Pratt GW, Berry NC** and **Sinclair WF.** Colles' Fractures. Functional Bracing in Supination ... 311
Sarmiento A et al. Functional Management of Colles' Fractures ... 1030
Schiff DC *see* **Hamilton WC**
Schmidt AC *see* **Hamilton JJ**
Schonholtz GJ and **Mallison GF.** Maintenance of Aseptic Barriers in the Conventional Operating Room ... 1028
Schulz E et al. Three-Dimensional Stroboscopic Gait Analysis ... 574
Schumann W *see* **Rosenthal RK**
***Schurman DJ, Johnson BL Jr.** and **Amstutz HC.** Knee Joint Infections with *Staphylococcus aureus* and Micrococcus Species. Influence of Antibiotics, Metal Debris, Bacteremia, Blood, and Steroids in a Rabbit Model ... 40
Schurman DJ *see* **Burton DS**
Schwartz ER et al. Characterization of Sulphated Proteoglycans in Human Articular Cartilage ... 576
Schwartz ER et al. Modulation of Sulphated Proteoglycan and Collagen Formation in Normal and Osteoarthritic Human Chondrocytes ... 568
***Scott RD** and **Turner RH.** Avoiding Complications with Long-Stem Total Hip-Replacement Arthroplasty. Brief Note ... 722
***Scott RD, Turner RH, Leitzes SM** and **Aufranc OE.** Femoral Fractures in Conjunction with Total Hip Replacement ... 494
Scott RD *see* **Broudy AS**
Scranton PE Jr. et al. Hormone Suppression of DNA Synthesis in Cultured Chondrocyte and Osteosarcoma Cell Lines ... 573
***Sculco TP** and **Ranawat C.** The Use of Spinal Anesthesia for Total Hip-Replacement Arthroplasty ... 173
***Searfoss R, Bendana A, King G** and **Miller G.** Vertical Talus of Unusual Etiology. Case Report ... 409
Season EH et al. Osteogenic Activity in Nonunions of Long Bones Using ^{99m}Tc Diphosphonate ... 568
Sedlin ED *see* **Harwin SF**
Seinsheimer F III and **Sledge CB.** "In Vitro" Assessment of Growth Plate Metabolism: The Relationship Between "In Vivo" Growth Rate and "In Vitro" Response to Somatomedin ... 579
Seireg AA *see* **Murray MP**
***Seki T, Fukuda H, Ishii Y, Hanaoka H, Yatabe S, Takano M** and **Koide O.** Malignant Transformation of Benign Osteoblastoma. A Case Report ... 424
Sekine K *see* **Ohno T**
***Semian DW, Willis JB** and **Bove KE.** Congenital Fibrous Defect of the Tibia Mimicking Fibrous Dysplasia. A Case Report ... 854
Semian DW *see* **Miller EH**
Sepic SB *see* **Gore DR**
Sepic SB *see* **Murray MP**

PAGE

Seyer JM et al. The Isolation of Two Types of Collagen from Bovine Epiphyseal Cartilage ... 584
Shapiro F et al. Perichondrial Groove of Ranvier — A Morphologic, Histochemical and Autoradiographic Study ... 577
Shauble JF *see* **Hassmann GC**
Shepard N *see* **Behrens F**
Sherry RS. A New Method for the Detection of Infection in Bone ... 583
Shim SS *see* **Yu WY**
Shneider DA and **Smith CF.** Medial Subtalar Stabilization with Posterior Medial Release in the Treatment of Varus Feet ... 133
Shokeir MHK *see* **Letts RM**
***Shrewsbury M** and **Johnson RK.** The Fascia of the Distal Phalanx ... 784
Shrewsbury MM *see* **Lassa R**
Siffert RS *see* **Korn JA**
Silber I *see* **McMaster WC**
Silsby J et al. Surgical Management of Bifid Thumb ... 132
Sim FH and **Chao EY.** Biomechanical Evaluation of Proximal Femur and Custom Hip Joint Replacement following Segmental Resection of Bone Tumors ... 565
***Sim FH, Dahlin DC** and **Beabout JW.** Osteoid-Osteoma: Diagnostic Problems ... 154
Simmons BP and **Tubiana R.** Dupuytren's Contracture of the Radial Aspect of the Hand ... 726
Simmons DJ et al. The Effect of Small Bowel By-Pass and Resection on Bone Metabolism ... 573
Simmons EH et al. Thoracic Disc Disease ... 1173
Simon MA *see* **Smith WS**
***Simon SR, Paul IL, Rose RM** and **Radin EL.** "Stiction-Friction" of Total Hip Prostheses and Its Relationship to Loosening ... 226
Simonet JC *see* **Maquet PG**
Sinclair WF *see* **Sarmiento A**
Singer L *see* **Lai CC**
Singh M et al. Calcitonin Inhibition of Bone Cell Metabolism in Vivo: An Experimental Study in Dogs ... 573
***Sinha GP.** Tuberculoma of the Ulnar Nerve. Brief Note ... 131
Sisk TD and **Lynch M.** Recurrent Anterior Dislocation of the Shoulder — Which Operation? ... 1032
Sisk TD *see* **Anderson LD**
Siu CM *see* **Yu WY**
Skolnick MD et al. Polycentric Knee Arthroplasty — A Two Year Follow-Up ... 1033
Smith CD et al. Dynamic Metatarsus Adductus ... 1035
***Smith DM, Oliver CH, Ryder CT** and **Stinchfield FE.** Complications of Austin Moore Arthroplasty. Their Incidence and Relationship to Potential Predisposing Factors ... 31
***Smith RJ.** Factitious Lymphedema of the Hand ... 89
Smith RJ. Lateral Instability of the Metacarpophalangeal Joint of the Thumb ... 729
***Smith TK, Whitaker J** and **Stauffer ES.** Complications Associated with the Use of the Circular Electrical Turning Frame ... 711
***Smith WS** and **Simon MA.** Segmental Resection for Chondrosarcoma ... 1097
Snedden HE *see* **Canale ST**
Snorf CR et al. Killer Whale Attack on Surfer. A Case Report ... 138
***Snyder CR.** Legg-Perthes Disease in the Young Hip — Does It Necessarily Do Well? ... 751
***Solhaugh JH** and **Olerud SE.** Pseudoaneurysm of the Femoral Artery Caused by Osteochondroma of the Femur. A Case Report ... 867
Solomons CC et al. A Basic Defect of Mucopolysaccharide Metabolism in Osteogenesis Imperfecta Fibroblasts and Possible Use for Intrauterine Diagnoses ... 581
Sonstegard DA. Impact Considerations in Prosthetic Loosening ... 569
Sonstegard DA *see* **Baril JD**
Sonstegard DA *see* **Stubbs BE**
Sorgente N et al. Is Cartilage Avascular Because it Contains Factors Which Modulate Endothelial Cell Growth? ... 576
Soucacos PN et al. Evaluation of Microsurgical Techniques in Small Artery Anastomosis ... 729
***Southmayd WW, Millender LH** and **Nalebuff EA.** Rupture of the Flexor Tendon of the Index Finger after Colles' Fracture. Case Report ... 562
***Specht EE.** Congenital Paralytic Vertical Talus. An Anatomical Study ... 842
Spector M. Crystalline Structure and Morphology of Bone Crystallites and Probable Precursors ... 571
Spector M et al. Ultrastructure of Tissue Growing Into Porous Bone Implants: Tissue Attachment ... 580
Spengler DM et al. Efficacy of Methylmethcrylate in the Re-Establishment of Bone Structural Strength in Experimentally Produced Diaphyseal Defects: An In-vitro Biomechanical Analysis ... 580
Spolek CA et al. An Instrumented Shoe System for Ambulatory Force Studies ... 574
Sriram K *see* **MacEwen GD**
***Stadalnik RC** and **Dublin AB.** Sesamoid Periostitis in the Thumb in Reiter's Syndrome. Case Report ... 279
***Staples OS.** Ruptures of the Fibular Collateral Ligaments of the Ankle. Result Study of Immediate Surgical Treatment ... 101
Stauffer ES and **Neil J.** Biomechanical Analysis of Structural Stability of Internal Fixation in Fractures of the Thoracolumbar Spine ... 134
Stauffer ES *see* **Smith TK**
Stavrou Z *see* **Symeonides PP**
Steel HH. Excision of the Innominate Bone for Chondrosarcoma ... 1171
***Steel HH, Akbarnia BA** and **Lang BD.** Bilateral Dislocation of the Hip in Hallermann-Streiff Syndrome. A Case Report ... 1002
Steel HH *see* **Nasca RJ**
Stehr JH *see* **Chapman MW**
Stein RE and **Urbaniak JR.** Sickle Cell Disease and the Tourniquet: Is There a Risk? ... 1027
Stein SR et al. Fat Embolism — A Prospective Analysis of Patients at a Trauma Research Unit ... 1028
Steinberg ME et al. The Effect of D-Penicillamine on Antigen-Induced Arthritis ... 585

PAGE

Steinberg ME et al. The Effect of Lathyrism on Strain-Related Potentials in Whole Bone ... 575
Stelling FH III *see* **Barden GA**
Stelling FH III *see* **Nasca RJ**
Stern E *see* **Freiberg RA**
Stewart MJ *see* **Carnesale PG**
Stiles C *see* **Bonnett C**
Stinchfield FE *see* **Smith DM**
***Stovell PB, Ahuja SC** and **Inglis AE.** Pseudarthrosis of the Proximal Femoral Epiphysis in Juvenile Rheumatoid Arthritis. A Case Report ... 860
Straub LR *see* **Ranawat CS**
Strider W and **Rosenberg LC.** Isolation and Stability of Proteoglycan Subunit from Articular Cartilage ... 577
***Strong ML Jr.** Chondromas of the Tendon Sheath of the Hand. Report of a Case and Review of the Literature ... 1164
***Stubbs BE, Matthews LS** and **Sonstegard DA.** Experimental Fixation of Fractures of the Femur with Methylmethacrylate ... 317
***Sugiura Y** and **Yasuhara T.** Sclerosteosis. A Case Report ... 273
Sunzel H *see* **Van Der Linden W**
Sutherland DH and **Greenfield R.** Medial Pubic Osteotomy in Difficult Salter Procedures ... 135
Sutton FS Jr. et al. The Effect of Patellectomy on Knee Function ... 1028
Swanson AB. Silicone Implant Resection Arthroplasty of the Great Toe ... 1173
Swanson AB and **Herndon JH.** Flexible (Silicone) Implant Arthroplasty of the MP Joint of the Thumb ... 724
Sweet DE *see* **McLaughlin RE**
Sweet DE *see* **O'Hara JP III**
Swezey RL *see* **Gifford DB**
***Symeonides PP, Paschaloglou C, Stavrou Z** and **Pangalides Th.** Recurrent Dislocation of the Elbow. Report of Three Cases ... 1084
Szwed JJ *see* **Lindseth RE**

T

***Tabaddor K** and **Lamorgese JR.** Lumbar Epidermoid Cyst following Single Spinal Puncture. Case Report ... 1168
Takano M *see* **Seki T**
Tateishi A *see* **Ohno T**
Taylor WF *see* **Pritchard DJ**
Tegtmeyer C *see* **O'Hara JP III**
Teitelbaum SL et al. Histological Studies of Bone from Normocalcemic Post-Menopausal Osteoporotic Patients with Increased Circulating Parathyroid Hormone ... 566
Teitz CC and **Chrisman OD.** The Effect of Salicylate and Chloroquine on Prostaglandin-Induced Articular Damage in the Rabbit Knee ... 579
Telfer MC *see* **Post M**
Thrasher AZ *see* **Mankin HJ**
Thrasher EL II et al. Microcrystalline Collagen: An Effective Hemostatic Agent Reducing Bone Bleeding in Dog and Man ... 573
***Tipton WW, D'Ambrosia RD** and **Ryle GP.** Non-Operative Management of Central Fracture-Dislocations of the Hip ... 888
***Tipton WW Jr., Garrick JG** and **Riggins RS.** Healing of Electrosurgical and Scalpel Wounds in Rabbits ... 377
Tipton WW et al. Central Fracture-Dislocation of the Hip — Comparison of Nonoperative Management Techniques ... 135
Tivnon MC et al. Clinical Experience with a Long Arm Hinged Cast for the Upper Extremity ... 132
Tooms RE *see* **Anderson LD**
***Tornberg DN, Dick HM** and **Johnston AD.** Multicentric Giant-Cell Tumors in the Long Bones. A Case Report ... 420
Tornberg DN et al. Protein Polysaccharide Activation of the Resting Periosteum: A Light and Electron Microscopic Study ... 577
Tountas CP and **Bergman RA.** Tourniquet Ischemia. Ultrastructural and Histochemical Observations of Human Muscle and of Monkey Muscle and Nerve ... 727
Townsend PR et al. Inelastic Trabecular Buckling and Its Implications for the Normal and Diseased Patella ... 572
Townsend PR et al. Patello-Femoral Contact Areas and the Prediction of Joint Reaction Force ... 572
Tracy HW. The Operated Management of the Plantar Flexed Inverted Foot in Hemiplegia ... 1035
Treanor WJ and **Taylor LW.** Treatment of Severe Muscle Contusions by Anesthetic Nerve Blockade ... 137
***Tredwell SJ** and **O'Brien JP.** Avascular Necrosis of the Proximal End of the Dens. A Complication of Halo-Pelvic Distraction ... 332
Trent PS et al. The Relationship Between the Instant Centres of Rotation, the Ligament Length Patterns and the Ligament Tensions in the Knee Joint ... 570
Trilla JC *see* **Beltran JE**
***Tsuge K.** Treatment of Established Volkmann's Contracture ... 925
Turco VJ. Divergent Diastasis of First and Second Tarsometatarsal Rays — Unrecognized Cause of Foot Pain ... 1035
Turner RH *see* **Scott RD**
Turner RH *see* **Volz RG**
Turner RS. Observations Concerning "Tennis Elbow" Pathology and Surgical Treatment ... 137
Tuul A *see* **Fielding JW**

U

Ueyama H *see* **Ohno T**
Uhthoff HK and **Sarkar K.** Calcifying Tendinitis, An Active, Cell-Mediated Process ... 566
Urbaniak JR et al. Replantation of Amputated Digits and Hands ... 1172
Urist MR and **Mikulski AJ.** A Chemosterilized Antigen-Extracted Bone Morphogenetic Alloimplant ... 584
Urist MR *see* **Bélanger LF**

V

Van de Berg AJ *see* **Maquet PG**

* Indicates full article.

PAGE

*Van Der Linden W, Sunzel H and Larsson K. Fractures of the Tibial Shaft after Skiing and Other Accidents ... 321
Vankka E *see* Salenius P
Venters GC *see* Brashear HR Jr.
Verdeck WN *see* Gelberman RH
Vermuelen WJ *see* Vistnes LM
Visscher MB *see* Wilkes CH
*Vistnes LM and Vermuelen WJ. The Natural History of a Giant-Cell Tumor. Case Report ... 865
*Volkov MV and Oganesian OV. Restoration of Function in the Knee and Elbow with a Hinge-Distractor Apparatus ... 591
*Volz RG and Turner RH. Reattachment of the Greater Trochanter in Total Hip Arthroplasty by Use of a Bolt. Brief Note ... 129

W

Walinski T *see* Bonnett C
Walker DG. Control of Bone Resorption by Myelogenous Cells ... 581
Walker PS and Erkman MJ. The Function of the Menisci of the Knee ... 1028
Walker PS and Hsieh H-H. Fixation of the Tibial Components of Head Replacement Knee Prostheses ... 572
*Wang JB, Rubin RM and Marshall JL. A Mechanism of Isolated Anterior Cruciate Ligament Rupture. Case Report ... 411
Warmbrod JG Jr. et al. Ten Years' Experience Intramedullary Nailing of Femoral Shaft Fractures at the University of Alabama Hospitals ... 1032
*Warren R, Kaye JJ and Salvati EA. Arthrographic Demonstration of an Enlarged Iliopsoas Bursa Complicating Osteoarthritis of the Hip. A Case Report ... 413
*Waters RL, McNeal D and Perry J. Experimental Correction of Footdrop by Electrical Stimulation of the Peroneal Nerve ... 1047
Watson FM *see* Canale ST
Watson FM *see* Herndon JH
Watson HK et al. Current Management of Dupuytren's Contracture Utilizing the Deming Y-V-Z Advancement Incision ... 726
*Watson M. Microfractures in the Head of the Femur ... 696
Weber ER et al. Peripheral Nerve Changes Incident to Total Hip Arthroplasty 1172
Webster T *see* McLaughlin RE
Weidman WH *see* Reckles LN
Weiland AJ *see* Meyer S
*Weinstein SL and Bonfiglio M. Unusual Accessory (Bipartite) Talus Simulating Fracture. A Case Report ... 1161
Weiss C et al. The Application of Structure-Borne Sound to the Structural Analysis of Bone and Fracture Healing (A Preliminary Report) ... 576
Weiss C et al. Intracellular Filaments of Articular Cartilage, an Ultrastructural and Autoradiographic Study ... 584
Weiss C et al. The Tangential Zone of Articular Cartilage ... 584
Welch RB et al. The Assets and Liabilities of Trochanteric Osteotomy in the Lateral Approach to the Hip ... 1024
*Wenger DR, Mickelson MR and Ponseti IV. Idiopathic Chondrolysis of the Hip. Report of Two Cases ... 268
West B and Sledge CB. Stimulation of Chondrocyte Polysaccharide Synthesis by a Peptide of Salivary Gland Origin ... 577
Whitaker J *see* Smith TK
White AA III et al. Biomechanics of the Axially Loaded Cervical Spine: Development of a Clinical Test for Ruptured Ligaments ... 582
Whittaker RP *see* Green P
Widell EH Jr. *see* Wiltse LL
Wilde AH et al. Geometric Knee Replacement Arthroplasty — Early Results ... 134
*Wilkes CH and Visscher MB. Some Physiological Aspects of Bone Marrow Pressure ... 49
Willenegger H *see* Meyer S
Willis JB *see* Semian DW
*Wiltse LL and Rocchio PD. Preoperative Psychological Tests as Predictors of Success of Chemonucleolysis in the Treatment of the Low-Back Syndrome ... 478
*Wiltse LL, Widell EH Jr. and Jackson DW. Fatigue Fracture: The Basic Lesion in Isthmic Spondylolisthesis ... 17
Winquist RA et al. Closed Femoral Shortening ... 135
*Winter RB, Lovell WW and Moe JH. Excessive Thoracic Lordosis and Loss of Pulmonary Function in Patients with Idiopathic Scoliosis ... 972
Winter RB *see* Bradford DS
Winter RB *see* Robins PR
*Winter WG Jr., Larson RK, Honeggar MM, Jacobsen D, Pappagianis D and Huntington RW Jr. Coccidioidal Arthritis and Its Treatment — 1975 ... 1152
Winter WG Jr. et al. Synovial Coccidioidomycosis ... 133
Wirta RW. Some Observations of Relations Among Gait Variables ... 567
Wissinger HA *see* Madigan R
Witte JF et al. Differential Isotope Studies on the Pathophysiology of Experimentally Produced Post-Traumatic Edema ... 725
Wolf M *see* Sarmiento A
Woo S et al. A Comparison of Metallic Plates with Fibrous Composite Plates for Internal Fixation of Long Bones ... 580
Wood C. Unusual Tumors of the Upper Extremity ... 136
Wood VE *see* Callan JE
*Worland RL, Ryder CT and Johnston AD. Recurrent Osteoid-Osteoma. Report of a Case ... 277
Worrall VT III and Ferguson R. Osteoid-Osteoma in Childhood ... 1026
Wray RC et al. Effect of Continuous Load on the Mechanical Properties of Tendon Adhesions ... 727
Wrenn RN. Isolated Injuries of Posterior Tibial Tendon ... 1035
Wuthier RE. Circulating Fat Macroglobules after Fracture, Total Hip Replacement and Abdominal Surgery ... 583

Y

Yasuhara T *see* Sugiura Y
Yatabe S *see* Seki T
Yau ACMC *see* Fountain SS
*Yu WY, Siu CM, Shim SS, Hawthorne HM and Dunbar JS. Mechanical Properties and Mineral Content of Avascular and Revascularizing Cortical Bone ... 692

Z

Zemsky LM *see* Brighton CT
Zickel RE. A Continuing Study on the Use of The Intramedullary Fixation for Fractures and Lesions of the Upper Femur ... 1174
Zika JM and Klein L. Differences in Collagen Turnover Between Endochondral and Membranous Bones ... 568
Zika JM *see* Burstein AH
Zondervan JH et al. Changes in Cutaneous Innervation Following Nerve Injury in the Human ... 727
Zuege RC *see* Murray MP

SUBJECT INDEX

Volume 57-A

PAGE

A

Achilles Tendon Repair, The L. D. Howard Technique of (A Posthumous Tribute). Hann JB III ... 132
***Acromioclavicular Separation, Acute, Complete.** Imatani RJ, Hanlon JJ and Cady GW ... 328
Adamantinoma of the Appendicular Skeleton. Moon NF ... 139
***Adamantinoma of Long Bones. A Clinicopathological Study of Fourteen Cases with Vascular Origin Suggested.** Huvos AG and Marcove RC ... 148
Air System, Evaluation of a Clean. Nelson CL et al ... 137
***Allogeneic Bone, The Immunogenicity of Fresh and Frozen.** Langer F, Czitrom A, Pritzker KP and Gross AE ... 216
***Allografts, Transplantation of Preserved Composite Tendon. An Experimental Study in Chickens.** Liu TK ... 65
Alloimplant, A Chemosterilized Antigen-Extracted Bone Morphogenetic. Urist MR and Mikulski AJ ... 584
Ambulatory Force Studies, An Instrumented Shoe System for. Spolek CA et al ... 574
***American Academy of Orthopaedic Surgeons, The. Presidential Address. So Little Time; So Much to Do.** Donaldson WF ... 1018
***American Orthopaedic Association, The. Presidential Address. Orthopedics, Orthopaedic Surgery, Musculoskeletology, Orthopaedics.** Lipscomb PR ... 872
***American Society for Surgery of the Hand. Presidential Address. In Praise of Hands.** Milford L ... 728
***Anatomical Variations of the Proximal Portion of the Fifth Metatarsal, Fractures and.** Dameron TB Jr. ... 788
Anesthesia for "Hind Quarter" Surgery, Single Dose Hypobaric Spinal. Daines NG Jr. et al ... 135
***Anesthesia for Total Hip-Replacement Arthroplasty, The Use of Spinal.** Sculco TP and Ranawat C ... 173
***Aneurysm of the Hand Secondary to Kaposi's Sarcoma. Case Report.** Baxt S, Mori K and Hoffman S ... 995
***Aneurysm of the Profunda Femoris Artery Resulting from Fracture, False. A Case Report.** Abraham E, Pankovich AM and Jansey F ... 871
***Angiography in the Diagnosis of Osteoid-Osteoma of the Hand.** O'Hara JP III, Tegtmeyer C, Sweet DE and McCue FC ... 163
Ankle Disability, A Cause of: Tibiofibular Synostosis. McMaster JH and Scranton PE Jr. ... 1035
Ankle Replacement Arthroplasty, Total — An Alternative to Ankle Fusion. Newton SE III ... 133, 1033
***Ankle, Ruptures of the Fibular Collateral Ligaments of the. Result Study of Immediate Surgical Treatment.** Staples OS ... 101
Anticoagulation and Arterial Puncture, Complications of. Neviaser RJ et al ... 1030
Arms, Reimplantation of: Experiences in Five Cases. Rieder JJ et al ... 132
***Arterial Injury Associated with Closed Femoral-Shaft Fracture. Report of Five Cases.** Isaacson J, Louis DS and Costenbader JM ... 1147
***Arteriographic Management of Postoperative Bleeding following Major Hip Surgery. Case Report.** Oppenheim WL, Harley JD and Lippert FG III ... 127
Artery Anastomosis, Evaluation of Microsurgical Techniques in Small. Soucacos PN et al ... 729
***Artery, False Aneurysm of the Profunda Femoris, Resulting from Intertrochanteric Fracture. A Case Report.** Abraham E, Pankovich AM and Jansey F ... 871
***Artery in the Hand, Thrombosis of the Ulnar. Report of Five Cases.** Herndon WA, Hershey SL and Lambdin CS ... 994
***Artery, Pseudoaneurysm of the Femoral, Caused by Osteochondroma of the Femur. A Case Report.** Solhaugh JH and Olerud SE ... 867
***Arthritis of the Adult Knee, The Functional Treatment of Pyogenic.** Ballard A, Burkhalter WE, Mayfield GW, Dehne E and Brown PW ... 1119
***Arthritis, Arthroplasty of Both Hips and Both Knees in Rheumatoid.** Johnson KA ... 901
***Arthritis, *Clostridium welchii*. Case Report.** Korn JA, Gilbert MS, Siffert RS and Jacobson JH ... 555
***Arthritis, Coccidioidal, and Its Treatment — 1975.** Winter WG Jr., Larson RK, Honeggar M, Jacobsen D, Pappagianis D and Huntington RW Jr. ... 1152
***Arthritis Due to Pseudomonas in Heroin Addicts, Septic.** Gifford DB, Patzakis M, Ivler D and Swezey RL ... 631
Arthritis, The Effect of D-Penicillamine on Antigen-Induced. Steinberg ME et al ... 585
***Arthritis in Heroin Users, Serratia.** Ross GN, Baraff CJ and Quismorio FP ... 1158
Arthritis of the Hip in Children, Prognosis in Septic. Lunseth PA and Heiple KG ... 1023
Arthritis of the Hip in Children, Suppurative. Morrey BF et al ... 1023
***Arthritis of the Knee, Synovectomy for Rheumatoid.** Paradies LH ... 95
Arthritis, Mitogen Induced Responsiveness of Lymphocytes in Rheumatoid. Goldberg VM and Powell A ... 585
***Arthritis, Pseudarthrosis of the Proximal Femoral Epiphysis in Juvenile Rheumatoid. A Case Report.** Stovell PB, Ahuja SC and Inglis AF ... 860
***Arthritis, Silastic Arthroplasty of the Metacarpophalangeal Joints in Rheumatoid. Long-Term Results.** Mannerfelt L and Andersson K ... 484
***Arthritis, Surgical Treatment of the Symptomatic Unstable Cervical Spine in Rheumatoid.** Ferlic DC, Clayton ML, Leidholt JD and Gamble WE ... 349
Arthrodesis, Hoke Triple. Duncan JW and Lovell WW ... 1172
Arthrodesis Utilizing Autogenous Calcaneal Grafts, Subtalar. Alban SI et al ... 133

PAGE

***Arthrography for the Assessment of Pain after Total Hip Replacement. A Comparison of Arthrographic Findings in Patients with and without Pain.** Murray WR and Rodrigo JJ ... 1060
***Arthroplasty, An Axial Guide for Total Knee.** Coventry MB ... 564
***Arthroplasty at Age Fourteen with Twenty-Year Follow-up, Moore. A Case Report.** Charendoff MD ... 715
Arthroplasty in Children and Adolescents, Cup. Lang AG ... 1023
***Arthroplasty, Complications of Austin Moore. Their Incidence and Relationship to Potential Predisposing Factors.** Smith DM, Oliver CH, Ryder CT and Stinchfield FE ... 31
***Arthroscopy, The Role of, Diagnosis of Internal Derangements of the Knee.** DeHaven KE and Collins HR ... 802
***Articular Damage in Familial Mediterranean Fever. Report of Four Cases.** Herness D and Makin M ... 265
Aseptic Barriers in the Conventional Operating Room, Maintenance of. Schonholtz GH and Mallison GF ... 1028
Athlete on Snow, The Handicapped. Messner DG ... 136
***Atlas, Intermittent Quadriparesis Associated with a Congenital Anomaly of the Posterior Arch of the. Case Report.** Richardson EG, Boone SC and Reid RL ... 853
***Austin Moore Arthroplasty, Complications of. Their Incidence and Relationship to Potential Predisposing Factors.** Smith DM, Oliver CH, Ryder CT and Stinchfield FE ... 31
***Autologous Grafts of Cortical Bone, Repair of Experimental.** Burchardt H, Busbee GA III and Enneking WF ... 814
***Avascular and Revascularizing Cortical Bone, Mechanical Properties and Mineral Content of.** Yu WY, Siu CM, Shim SS, Hawthorne HM and Dunbar JS ... 692
***Axis, Fractures of the Neural Arch of the. A Report of Twenty-nine Cases.** Brashear HR Jr., Venters GC and Preston ET ... 879

B

Back Operations, Motivation Evaluation for Predicting the Results of Low-. Froning EC ... 1034
Bacterial Contamination of Operative Wounds, Air-Borne: The Use of a Suction Aspiration Mask System. Alexakis PG et al ... 1028
Bacterial Studies in a Horizontal Flow Operating Room Clean Room. Nelson JP ... 137
***Blood Flow and Mineral Deposition in Canine Tibial Fractures.** Paradis GR and Kelly PJ ... 220
Bone, Biaxial Stress Relaxation and Dynamic Properties of Human Cortical. Lakes RS et al ... 578
Bone Cell Metabolism in Vivo, Calcitonin Inhibition of: An Experimental Study in Dogs. Singh M et al ... 573
Bone Cells with Heavy Meromyosin, Demonstration of Actin Filaments in. King GH and Holtrop ME ... 578
Bone Cement, Antibiotic Impregnated Acrylic. Marks KE et al ... 138
***Bone Cement, A Characterization of Polymethylmethacrylate.** Haas S, Brauer GM and Dickson G ... 381
***Bone Cement, Contact Dermatitis in Surgeons from Methylmethacrylate.** Fries IB, Fisher AA and Salvati EA ... 547
Bone Cement, Properties of Porous Acrylic. McLaughlin RE et al ... 579
***Bone Composition and Phosphatase Activity in Magnesium Deficiency in Rats.** Lai CC, Singer L and Armstrong WD ... 516
***Bone, Contribution of Collagen and Mineral to the Elastic-Plastic Properties of.** Burstein AH, Zika JM, Heiple KG and Klein L ... 956
Bone Crystallites and Probable Precursors, Crystalline Structure and Morphology of. Spector M ... 571
***Bone Formation, Metaplastic, (Myositis Ossificans) in the Soft Tissues of the Hand. Case Report.** Johnson MK and Lawrence JF ... 999
Bone and Fracture Healing, The Application of Structure-Borne Sound to the Structural Analysis of (A Preliminary Report). Weiss C et al ... 576
Bone Fracture Surface, Examination of, by Scanning Electron Microscopy. Saha S ... 568
***Bone, Giant-Cell Tumor of. A Demographic, Clinical, and Histopathological Study of All Cases Recorded in the Swedish Cancer Registry for the Years 1958 through 1968.** Larsson S-E, Lorentzon R and Boquist L ... 167
Bone Healing, Ultrastructural Investigations of Electrical Enhancement of. Rinaldi R et al ... 575
***Bone, The Immunogenicity of Fresh and Frozen Allogeneic.** Langer F, Czitrom A, Pritzker KP and Gross AE ... 216
Bone Implants, Ultrastructure of Tissue Growing Into Porous: Tissue Attachment. Spector M et al ... 580
***Bone, Malignant Hemangioendothelioma of.** Larsson S-E, Lorentzon R and Boquist L ... 84
***Bone Marrow Pressure, Some Physiological Aspects of.** Wilkes CH and Visscher MB ... 49
***Bone Matrix Implanted in the Rat, The Effects of Magnesium Deficiency on the Host Response to Intramuscular.** Bélanger LF, Robichon J and Urist MR ... 522
***Bone, Mechanical Properties and Mineral Content of Avascular and Revascularizing Cortical.** Yu WY, Siu CM, Shim SS, Hawthorne HM and Dunbar JS ... 692
Bone Metabolism, The Effect of Small Bowel By-Pass and Resection on. Sim-

* Indicates full article.

PAGE

mons DJ et al ... 573
*Bone Mineral, Effects of Oral Contraceptives, Pregnancy, and Lactation on. Goldsmith NF and Johnston JO ... 657
Bone Mineral and Related Calcium Phosphates, Local Order in. Posner AS and Betts F ... 571
Bone, Morphologic Effects of Torsion Applied to Growing. Moreland MS ... 569
Bone, A New Method for the Detection of Infection in. Sherry RS ... 583
Bone Porosity in Normal and Osteoporotic Humans, Computer-Assisted Videodensitometric Analysis of Age and Sex Dependent Variations of. Dauphine RT and Robb RA ... 566
Bone-Prosthesis Systems, The Effects of Stem Length and Stem Material on Stresses in. Bartel DL and Ulsoy GA ... 565
Bone and Its Relation to Microstructure, Tensile Impact Strength of Human Compact. Saha S ... 578
*Bone, Repair of Experimental Autologous Grafts of Cortical. Burchardt H, Busbee GA III and Enneking WF ... 814
Bone Repletion in Rats, Studies of. Baylink D et al ... 567
Bone Resorption by Myelogenous Cells, Control of. Walker DG ... 581
Bone, Shear Viscoelastic Response in Human and Bovine Cortical. Katz JL et al ... 578
Bone Strength, The Effect of Sodium Fluoride on: An Experimental Study with Clinical Implications. Riggins RS et al ... 575
Bone, Structure and Properties of Subchondral Cancellous. Klawitter JJ and Weinstein AM ... 578
Bone Tissue, Age Changes in the Mechanical Behavior of Human. Burstein AH et al ... 1032
*Bone Tissue in Children, The Mechanical Properties of. Currey JD and Butler G ... 810
*Bone Transplants, Physical and Biological Aspects of Repair in Dog Cortical-. Enneking WF, Burchardt H, Puhl JJ and Piotrowski G ... 237
Bone Tumors, Biomechanical Evaluation of Proximal Femur and Custom Hip Joint Replacement following Segmental Resection of. Sim FH and Chao EY ... 565
Bone Tumors, Massive Allograft Transplantation for — Early Experiences and Use of Glycerinization to Preserve Cartilage. Mankin HJ et al ... 1171
Bone Turnover in Dogs, The Influence of Exercise vs. Progesterone on. Martin RK et al ... 573
Bone Ultrastructure Using Inert Dehydration and Ultracryomicrotomy for Specimen Preparation, An Examination of. Landis WJ et al ... 571
*Bone, Use of Polymethylmethacrylate to Enhance Screw Fixation in. Cameron HU, Jacob R, Macnab I and Pilliar RM ... 655
Bones, Adamantinoma of Long. A Clinicopathological Study of Fourteen Cases with Vascular Origin Suggested. Huvos AG and Marcove RC ... 148
*Bones, Multicentric Giant-Cell Tumors in the Long. A Case Report. Tornberg DN, Dick HM and Johnston AD ... 420
Bones, A Porous Titanium Endoprosthesis for Replacement of Lost Segments of Long. Miller RA et al ... 1170
Book Reviews
Aegerter E and Kirkpatrick JA Jr. Orthopedic Diseases: Physiology, Pathology, Radiology. Ed. 4 ... 1177
Bradley WG. Disorders of Peripheral Nerves ... 589
Cailliet R. Hand Pain and Impairment. Ed. 2 ... 1038
Delagi EF, Perotto A, Iassetti J and Morrison D. Anatomic Guide for the Electromyographer ... 1178
Duthie RB and Ferguson AB Jr. Mercer's Orthopaedic Surgery. Ed. 7 ... 437
Flatt A. The Care of the Rheumatoid Hand. Ed. 3 ... 142
Ford JR and Duckworth B. Physical Management for the Quadriplegic Patient ... 285
Freeman JM. Practical Management of Meningomyelocele ... 285
Greenfield GP. Radiology of Bone Diseases. Ed. 2 ... 733
Hardy AG and Rossier AG. Spinal Cord Injuries: Orthopedic and Neurological Aspects ... 1177
Hardy JH. Spinal Deformity in Neurological and Muscular Disorders ... 285
Herberts P, Kadefors R, Magnusson R and Petersen I. The Control of Upper-Extremity Prostheses and Orthoses ... 142
Judet R and Letournel E. Les fractures du cotyle ... 1038
Kelikian H. Congenital Deformities of the Hand and Forearm ... 589
Küntscher G. The Callus-Problem ... 1038
Lenihan J. Human Engineering: The Body Re-examined ... 589
Lichtenstein L. Diseases of Bone and Joints. Ed. 2 ... 733
Littler WJ, Cramer LM and Smith JW. Symposium on Reconstructive Hand Surgery. Vol. 9 ... 590
McDowell MF and Enna CD. Surgical Rehabilitation in Leprosy ... 142
Rang M. Children's Fractures ... 590
Rittmann WW and Perren SM. Cortical Bone Healing after Internal Fixation and Infection ... 734
Rockwood CA Jr. and Green DP. Fractures ... 1177
Salib PI. Plaster Casting ... 733
Samilson RL. Orthopaedic Aspects of Cerebral Palsy ... 1178
Seppo A. Metallic Osteosynthesis of Bone Fractures Based on the Topography of Bone Resistance ... 733
Smillie IS. Diseases of the Knee Joint ... 286
Spranger JW, Langer LO Jr. and Wiedemann HR. Bone Dysplasias: An Atlas of Constitutional Disorders of Skeletal Development ... 589
Taybi H. Radiology of Syndromes ... 734
Zorab PA. Scoliosis and Muscle ... 1038
Books Received ... 437
*Brachial Plexus Paralysis, Restoration of Strong Opposition after High Median-Nerve or. Groves RJ and Goldner JL ... 112
*Bracing, Early Functional — A Preliminary Report. Forearm Fractures. Sarmiento A, Cooper JS and Sinclair WF ... 297
*Bracing in Supination, Functional. Colles' Fractures. Sarmiento A, Pratt GW, Berry NC and Sinclair WF ... 311
*Brief Notes
Acute Cervical Pain Associated with Soft-Tissue Calcium Deposition Anterior to the Interspace of the First and Second Cervical Vertebrae. Bernstein SA ... 426
An Axial Guide for Total Knee Arthroplasty. Coventry MB ... 564
The Hip Lifter. An Aid to Total Hip-Replacement Arthroplasty Performed in the Supine Position. Freiberg RA and Stern E ... 429

PAGE

Reattachment of the Greater Trochanter in Total Hip Arthroplasty by Use of Bolt. Volz RG and Turner RH ... 129
Reversed Dynamic Slings for Knee-Flexion Contractures in the Hemophiliac. Stein H and Dickson RA ... 282
Tuberculoma of the Ulnar Nerve. Sinha GP ... 131
"Bunion Surgery" — Optical Sound Movie. Leventen EO ... 138

C

*Calcium Deposition Anterior to the Interspace of the First and Second Cervical Vertebrae, Acute Cervical Pain Associated with Soft-Tissue. Brief Note. Bernstein SA ... 426
Callus Calcifying Cartilage, Resolution, Purification and Characterization of the Alkaline Phosphatase Activity from Fracture. Arsenis C et al ... 569
*Capitulum Humeri, Fracture of the. Alvarez E, Patel M, Nimberg G and Pearlman H ... 1093
*Capsule, The Torn Shoulder. Bush LF ... 256
Carpal Injuries — An Experimental Approach. Anatomy, Kinematics and Perilunate Injuries. Mayfield JK et al ... 725
Carpal Navicular, Rotatory Subluxation of the. Mann LI ... 132
*Carpal and Tarsal Osteolysis. A Case Report and Review of the Literature. Beals RK and Bird CB ... 681
Carpectomy, Proximal Row, for Disease of the Proximal Row. Inglis AE and Jones EC ... 726
*Cartilage, Alteration of Rabbit Articular, by Intra-Articular Injections of Glucocorticoids. Behrens F, Shepard N and Mitchell N ... 70
Cartilage Avascular Because it Contains Factors Which Modulate Endothelial Cell Growth, Is? Sorgente N et al ... 576
Cartilage-Cartilage Interfaces, Steady-State Dynamic Frictional Properties of. Malcolm LL et al ... 567
Cartilage, Characterization of Sulphated Proteoglycans in Human Articular. Schwartz ER et al ... 576
Cartilage, Collagenase and Collagenase Inhibitors in Osteoarthritic and Normal Human Cartilage. Ehrlich MG et al ... 570
Cartilage Defects, The Effects of Continuous Passive Motion on the Healing of Articular — An Experimental Investigation in Rabbits. Salter RB et al ... 570
Cartilage, Friction and Wear of Articular — A Pendulum/SEM System. Clarke IC ... 567
*Cartilage, *In Vitro* Wear of Articular. I. Hydroxyproline, Hexosamine, and Amino Acid Composition of Bovine Articular Cartilage as a Function of Depth from the Surface; Hydroxyproline Content of the Lubricant and the Wear Debris as a Measure of Wear. Lipschitz H, Etheredge R III and Glimcher MJ ... 527
Cartilage, Intracellular Filaments of Articular, an Ultrastructural and Autoradiographic Study. Weiss C et al ... 584
Cartilage, Isolation and Stability of Proteoglycan Subunit from Articular. Strider W and Rosenberg LC ... 577
Cartilage, Load Distribution Across Human Acetabular: In Vitro Studies Using an Instrumented Femoral Head Prosthesis. Rushfeldt PD et al ... 565
Cartilage Metabolism in Organ Culture, The Effect of EHDP on. Asher MA and Lark RG ... 574
Cartilage Metabolism in Organ Culture, The Effect of Parathyroid Extract on. Asher MA and Lark RG ... 579
Cartilage Metabolism, The Possible Function of Lysozyme in. Kuettner KE et al 579
Cartilage Mitochondria, Kinetic Studies of Calcium Transport by. Lee NH and Shapiro IM ... 576
Cartilage Model, In Vivo Rabbit Articular: Effect of Varying Oxygen Tensions on $^{35}SO_4$-Glycosaminoglycan Degradation. Lane JM et al ... 570
Cartilage of Osteonecrotic Human Femoral Heads, Biochemical Observation on Articular. Mankin HJ and Thrasher AZ ... 571
Cartilage, Pyrophosphate Metabolism in Human. Howell DS et al ... 579
Cartilage, The Tangential Zone of Articular. Weiss C et al ... 584
Cartilage, Transplantation of M-P Joints of Rabbits After Chemical Modification of the Articular. Glimcher MJ et al ... 571
Cartilage, Ultrastructural Changes in Aging Human Articular. Redler I et al 575
Cartilage, Variation in Rates of Glycosaminoglycan Synthesis in Rabbit, with Aging. Mankin HJ and Thrasher AZ ... 575
*Cartilage, Water Content and Binding in Normal and Osteoarthritic Human. Mankin HJ and Thrasher AZ ... 76
Cast for the Upper Extremity, Clinical Experience with a Long Arm Hinged. Tivnon MC et al ... 132
*Catterall's Classification, Prognostic Value of. Treatment of Legg-Calvé-Perthes Disease. Kamhi E and MacEwen GD ... 651
*Central Core Disease, Congenital Dislocation of the Hip Associated with. Ramsey PL and Hensinger RN ... 648
Cerebral Palsy with Crouched Gait, Kinesiological Evaluations of Hip Muscles in. Perry J et al ... 1023
*Cerebral Palsy, A Fixed-Ankle, Below-the-Knee Orthosis for the Management of Genu Recurvatum in Spastic. Rosenthal RK, Deutsch SD, Miller W, Schumann W and Hall JE ... 545
Cerebral Palsy, Transfer of Tibialis Posterior Tendon in. Bisla RS and Louis HJ ... 137
Cerebrospasticity in Children, Orthopedic Management of Acquired. Hoffer M and Brink J ... 137
*Cervical Spine Surgery, A Complication of. "Ondine's Curse." Fielding JW, Tuul A and Hawkins RJ ... 1000
*Charnley Low-Friction Total Hip Replacement, The Effect of Operating-Room Environment on the Infection Rate after. Brady LP, Enneking WF and Franco JA ... 80
Chemonucleolysis: An Evaluation of Successful Results and Failures. Huncke BH et al ... 1034
Chemonucleolysis — A Salvage Procedure in the Failed Laminectomy. Apfelbach HW et al ... 1034
*Chemonucleolysis in the Treatment of the Low-Back Syndrome, Preoperative Psychological Tests as Predictors of Success of. Wiltse LL and Rocchio PD 478

PAGE

*Chondroblastoma, Benign. Case Report with Pulmonary Metastasis. Green P and Whittaker RP ... 418
*Chondroblastoma of the Pelvis Suggestive of Malignancy. Report of an Unusual Case Treated by Wide Pelvic Excision. McLaughlin RE, Sweet DE, Webster T and Merritt WM ... 549
Chondrocyte Polysaccharide Synthesis by a Peptide of Salivary Gland Origin, Stimulation of. West B and Sledge CB ... 577
Chondrocytes, Modulation of Sulphated Proteoglycan and Collagen Formation in Normal and Osteoarthritic Human. Schwartz ER et al ... 568
*Chondrolysis of the Hip, Idiopathic. Report of Two Cases. Wenger DR, Mickelson MR and Ponseti IV ... 268
*Chondromalacia of the Femoral Condyle, Meniscectomy and. Dandy DJ and Jackson RW ... 1116
*Chondromalacia of the Patella in Chinese. A Postmortem Study. Marar BC Pillay VK ... 342
*Chondromas of the Tendon Sheath of the Hand. Report of a Case and Review of the Literature. Strong ML Jr. ... 1164
*Chondromatosis, Pseudogout Mimicking Synovial. Ellman MH, Krieger MI and Brown N ... 863
*Chondrosarcoma, Excision of the Innominate Bone for. Steel HH ... 1171
*Chondrosarcoma, Segmental Resection for. Smith WS and Simon MA ... 1097
Chondrosarcomas Treated by Cryosurgery, Low Grade. Marcove RC et al ... 1026
*Clostridium welchii Arthritis. Case Report. Korn JA, Gilbert MS, Siffert RS and Jacobson JH ... 555
Coccidioidomycosis, Synovial. Winter WG Jr. et al ... 133
Collagen, Direct Determination of Stable Structural Crosslinks in Bone and Dentin. Mechanic GL ... 584
Collagen Hydroxylation in W138 Fibroblast, Chick Embryo Sternum and Mouse Calvaria Cultures: Action of Hydralazine. Chen KH et al ... 568
Collagen, The Isolation of Two Types of, from Bovine Epiphyseal Cartilage. Seyer JM et al ... 584
Collagen, Microcrystalline: An Effective Hemostatic Agent Reducing Bone Bleeding in Dog and Man. Thrasher EL II et al ... 573
*Collagen and Mineral, Contribution of, to the Elastic-Plastic Properties of Bone. Burstein AH, Zika JM, Heiple KG and Klein L ... 956
Collagen Synthesis, Dexamethasone Inhibition of. Finerman GAM and Gerth N ... 568
Collagen Turnover Between Endochondral and Membranous Bones, Differences in. Zika JM and Klein L ... 568
Collagen Xenografts for Bone Replacement, Reconstituted. Devore DT ... 568
Colles' Fracture in the Elderly, Rush Rod Fixation of. Griffin TW Jr. and Huster RH ... 1030
*Colles' Fracture, Rupture of the Flexor Tendon of the Index Finger after. Case Report. Southmayd WW, Millender LH and Nalebuff EA ... 562
Colles' Fracture, The — Treatment by Closed Reduction, Internal Fixation and Short Arm Cast Application. Bosacco DN and Trabulsi LR ... 1030
*Colles' Fractures. Functional Bracing in Supination. Sarmiento A, Pratt GW, Berry NC and Sinclair WF ... 311
Colles' Fractures, Functional Management of. Sarmiento A et al ... 1030
*Condyle of the Humerus, Fracture of the Medial. El Ghawabi MH ... 677
*Congenital Constriction Band Syndrome, Clinical and Experimental Studies of the, with an Emphasis on Its Etiology. Kino Y ... 636
*Constriction Band Syndrome, Clinical and Experimental Studies of the Congenital, with an Emphasis on Its Etiology. Kino Y ... 636
*Contraceptives, Oral, Pregnancy, and Lactation, Effects of, on Bone Mineral. Goldsmith NF and Johnston JO ... 657
Contractures or Deformities, The Use of a Force or Torsional Moment Control Program for the Correction of. Matthews LS and Sonstegard DA ... 1032
*Coracoid Process, Stress Fracture of the: Trapshooter's Shoulder. Case Report. Boyer DW Jr. ... 862
Coxa Plana, A Radiographic Evaluation of Femoral Head Containment Following Innominate Osteotomy for. Cotler JM and Wolfgang GL ... 1023
*Coxa Vara in Identical Twins, Mirror-Image. Letts RM and Shokeir MHK ... 117
Cruciate, The Influence of Immune Synovitis on the Failure Mode and Strength of the Anterior. Goldberg VM et al ... 580
*Cysts, Lumbar Epidermoid, following Single Spinal Puncture. Case Report. Tabaddor K and Lamorgese JR ... 1168

D

*Dens, Avascular Necrosis of the Proximal End of the. A Complication of Halo-Pelvic Distraction. Tredwell SJ and O'Brien JP ... 332
*Dermatitis in Surgeons from Methylmethacrylate Bone Cement, Contact. Fries IB, Fisher AA and Salvati EA ... 547
*Deyerle Method, Treatment of Intracapsular Hip Fractures by the. A Comparative Review of One Hundred and Nineteen Cases. Chapman MW, Stehr JH, Eberle CF, Bloom MH and Bovill EG Jr. ... 735
*Digital Pollicization, Treatment by. Traumatic Amputation of the Thumb and Three Fingers. A Case Report. Herndon JH, Littler JW, Watson FM and Eaton RG ... 708
Digital Transfer, The Cross-Arm. Edgerton MT ... 726
Digits, Functional Results of Replanted Non-Viable. Frykman GK et al ... 132
Digits, Reconstruction of the Hypoplastic, Using Toe Phalanges. Carroll RE and Green DP ... 727
Disc Disease, Thoracic. Simmons EH et al ... 1173
Disc Surgery, Post-Operative Fracture in the Lumbar Facets Following Lumbar. Sage FP ... 1173
Disc Syndrome, Electromyography and the Lumbar. McBryde AM Jr. et al ... 1034
Disk, A Biomechanical Study of the Human Intervertebral — With and Without Its Nucleus Pulposus. Kazarian LE ... 582
*Dislocation of the Elbow, Recurrent. Report of Three Cases. Symeonides PP, Paschaloglou C, Stavrou Z and Pangalides Th ... 1084
*Dislocation of the Elbow, Recurrent Posterior. Hassmann GC, Brunn F and Neer CS II ... 1080
*Dislocation of the Hamate, Irreducible Transcapitate Fracture and. Report of a Case. Mathison GW and MacDonald RI ... 1166
Down's Syndrome, Orthopaedic Management of Patients with. Diamond LS et al ... 1023
Dupuytren's Contracture: An Active Cellular Process. Albin R et al ... 726
Dupuytren's Contracture, Biochemical and Structural Studies of the Collagen of the Palmar Fascia in. Albin R et al ... 585
Dupuytren's Contracture, The Effect of Serum from Patients with, on Growth of Fibroblasts in Tissue Culture. Culver JE Jr. and Culver SR ... 566
Dupuytren's Contracture of the Radial Aspect of the Hand. Simmons BP and Tubiana R ... 726
Dupuytren's Contracture Utilizing the Deming Y-V-Z Advancement Incision, Current Management of. Watson HK et al ... 726
Dwyer Instrumentation, An Urological Complication of. McMaster WC and Silber I ... 710
*Dysplasia, Congenital Fibrous Defect of the Tibia Mimicking Fibrous. A Case Report. Semian DW, Willis JB and Bove KE ... 854

E

Edema, Differential Isotope Studies on the Pathophysiology of Experimentally Produced Post-Traumatic. Witte JF et al ... 725
*Edema Formation, Trauma, and Nerve Function, Structure and Function of the Intraneural Microvessels as Related to. Review Article. Lundborg G. ... 938
Editorials
Malpractice Crisis ... 1012
New Therapies for Osteogenic Sarcoma ... 143
Elbow Arthroplasty, Total — Preliminary Experiences. Bryan RS and Coonrad RW ... 1033
Elbow Changes in the Skilled Tennis Player. Priest JD ... 137
*Elbow Extension in Quadriplegia, Surgical Treatment for Absent Single-Hand Grip and. Principles and Preliminary Experience. Moberg E ... 196
*Elbow, Recurrent Dislocation of the. Report of Three Cases. Symeonides PP, Paschaloglou C, Stavrou Z and Pangalides Th ... 1084
*Elbow, Recurrent Posterior Dislocation of the. Hassmann GC, Brunn F and Neer CS II ... 1080
*Elbow, Restoration of Function in the Knee and, with a Hinge-Distractor Apparatus. Volkov MV and Oganesian OV ... 591
"Elbow, Tennis," Pathology and Surgical Treatment, Observations Concerning. Turner RS ... 137
Elbows, Flexion Contractures and Involuntary Flexor Bias in the Upper Extremities at — Its Surgical Management. Mital MA ... 1031
*Electrical Turning Frame, Complications Associated with the Use of the Circular. Smith TK, Whitaker J and Stauffer ES ... 711
*Embolism, Acute Respiratory Failure Complicating Multiple Fractures in the Absence of Fat. A Study of Pathogenesis and Treatment and a Preliminary Report of Catheterization of the Right Side of the Heart. Hassmann GC and Shauble JF ... 188
Embolism, Fat — A Prospective Analysis of Patients at a Trauma Research Unit. Stein SR et al ... 1028
Embryology, Modern, Pre-Natal Diagnosis and Orthopaedics. Gardner ED ... 1170
*Epidermoid Cysts following Single Spinal Puncture, Lumbar. Case Report. Tabaddor K and Lamorgese JR ... 1168
Epiphyseal Plate Fractures, Microscopic Study of Human. Johnston RM ... 138
*Epiphysis of the Distal Phalanx of the Big Toe, Osteoid-Osteoma Producing Premature Fusion of the. A Case Report. Bordelon RL, Cracco A and Book MK ... 120
Epiphysis, Fractures of the Distal Femoral. Criswell AR et al ... 138
Epiphysis Fractures, A Review of 35 Distal Femoral. Lombardo SJ ... 136
*Epiphysis in Juvenile Rheumatoid Arthritis, Pseudarthrosis of the Proximal Femoral. A Case Report. Stovell PB, Ahuja SC and Inglis AE ... 860
*Epiphysis, Legg-Calve-Perthes Disease Coexistent with Slipped Capital Femoral. A Case Report. Crawford AH ... 280
Epiphysis, Slipped Femoral Capital — A Fundamental Reconsideration of Etiology. Chung SMK et al ... 1022
*Ewing's Sarcoma. A Clinicopathological and Statistical Analysis of Patients Surviving Five Years or Longer. Pritchard DJ, Dahlin DC, Dauphine RT, Taylor WF and Beabout JW ... 10
*Extensor Digiti Minimi Proprius Causing Tunnel Syndrome in the Dorsal Compartment, Anomalous. Report of a Case. Ambrose J and Goldstone R ... 706
*Extensor Digitorum Brevis Manus and Its Clinical Significance, The. Reef TC and Brestin SG ... 704
Extremity Dynamic Response, Structural Properties for a Mathematical Model of Lower. Piziali RL ... 578

F

Fanconi Syndrome, Idiopathic: Ultrastructural Defects in the Chondrocytes of Two Siblings. Probst CE Jr. et al ... 566
*Fascia of the Distal Phalanx, The. Shrewsbury M and Johnson RK ... 784
*Fasciitis, *Mycobacterium kansasii* Tendinitis and. Report of a Case Treated Successfully with Drug Therapy Alone. Parker MD and Irwin RS ... 557
*Fasciitis, Plantar. The Painful Heel Syndrome. Furey JG ... 672
Fat Macroglobules, Circulating, after Fracture, Total Hip Replacement and Abdominal Surgery. Wuthier RE ... 583
Feet, Medial Subtalar Stabilization with Posterior Medial Release in the Treatment of Varus. Shneider DA and Smith CF ... 133
*Femoral Artery, Pseudoaneurysm of the, Caused by Osteochondroma of the Femur. A Case Report. Solhaugh JH and Olerud SE ... 867
*Femoral Condyle, Meniscectomy and Chondromalacia of the. Dandy DJ and Jackson RW ... 1116
*Femoral Epiphysis in Juvenile Rheumatoid Arthritis, Pseudarthrosis of the Proximal. A Case Report. Stovell PB, Ahuja SC and Inglis AE ... 860
*Femoral Focal Deficiency and Congenital Short Femur, Van Nes Rotational Osteotomy for Treatment of. Kostuik JP, Gillespie R, Hall JE and Hubbard S ... 1039

* Indicates full article.

PAGE

***Femoral Fractures in Conjunction with Total Hip Replacement.** Scott RD, Turner RH, Leitzes SM and Aufranc OE ... 494
Femoral Head, Treatment of Aseptic Necrosis of the, by Bone Graft. Grow T and Dunn AW ... 1173
Femoral Neck in Adults, Percutaneous Knowles Pinning for Fractures of. Blackman RG ... 135
Femoral Neck, Displaced Fatigue Fractures of the. Cady GW et al ... 1022
***Femoral Neck, Displaced Fracture of the, Treated with a Muscle-Pedicle Graft. With Emphasis on the Treatment of These Fractures in Young Adults.** Meyers MH, Moore TM and Harvey JP Jr. ... 718
***Femoral-Neck Fractures, Nailing versus Prosthesis for. A Critical Review of Long-Term Results in Two Hundred and Thirty-nine Consecutive Private Patients.** Johnson JTH and Crothers O ... 686
***Femoral Neck and Shaft, Fracture of, and Repeat Neck Fracture in a Child. Case Report.** Hoeksema HD, Olsen C and Rudy R ... 271
***Femoral-Shaft Fracture, Arterial Injury Associated with Closed. Report of Five Cases.** Isaacson J, Louis DS and Costenbader JM ... 1147
Femoral Shortening, Closed. Winquist RA et al ... 135
***Femoral Stems in Total Hip Prostheses, Failed. A Report of Six Cases.** Galante JO, Rostoker W and Doyle JM ... 230
***Femorotibial Weight-Bearing Areas. Experimental Determination.** Maquet PG, Van de Berg AJ and Simonet JC ... 766
Femur, A Continuing Study on the Use of The Intramedullary Fixation for Fractures and Lesions of the Upper. Zickel RE ... 1174
***Femur with Methylmethacrylate, Experimental Fixation of Fractures of the.** Stubbs BE, Matthews LS and Sonstegard DA ... 317
***Femur, Microfractures in the Head of the.** Watson M ... 696
***Femur, Pseudoaneurysm of the Femoral Artery Caused by Osteochondroma of the. A Case Report.** Solhaugh JH and Olerud SE ... 867
Femur, Review of Management of Fractures of the. Heater RD et al ... 135
Femur, Stress Analysis of the Subtrochanteric Region of the. Cochran GV et al ... 1022
Femur, Transarticular Fixation of Supracondylar Non-Union of the — Supracondylar Fractures of the Femur. Beall MS Jr. et al ... 1174
Femur, The Use of P.M.M.A. as an Adjunct to Internal Fixation Devices for Stabilization of Segmental Defects in the Human — A Torsional Study. Mensch JS et al ... 576
***Fibrosarcoma Presenting as a Pseudotumor of Hemophilia. Report of an Unusual Case.** Lieberg OU, Penner JA and Bailey RW ... 422
Fibrosarcoma of the Soft Tissues of the Extremities and Limb Girdles in Children. Pritchard DJ and Soule EH ... 1026
***Fibrosis, Gluteal.** Peiro A, Ildefonso Fernandez C and Gomar F ... 987
***Fibula, Intramedullary Nailing in the Treatment of Open Fractures of the Tibia and.** Harvey FJ, Hodgkinson AHT and Harvey PM ... 909
***Finger, Rupture of the Flexor Tendon of the Index, after Colles' Fracture. Case Report.** Southmayd WW, Millender LH and Nalebuff EA ... 562
***Finger, Tendon and Pulleys at the Metacarpophalangeal Joint of a.** Brand PW, Cranor KC and Ellis JC ... 779
***Fixation in Bone, Use of Polymethylmethacrylate to Enhance Screw.** Cameron HU, Jacob R, Macnab I and Pilliar RM ... 655
Fixation of Long Bones, A Comparison of Metallic Plates with Fibrous Composite Plates for Internal. Woo S et al ... 580
***Flexor Carpi Ulnaris, Hypertrophy of the, as a Cause of Ulnar-Nerve Compression in the Distal Part of the Forearm. Case Report.** Harrelson JM and Newman M ... 554
***Follow-up Notes on Articles Previously Published in the Journal.** Traumatic Dislocation of the Knee Joint. Meyers MH, Moore TM and Harvey JP Jr. ... 430
Foot and Ankle, Neuropathy of the. Gristina AG et al ... 1035
***Foot, Cavus Deformity of the, after Fracture of the Tibial Shaft.** Karlström G, Lönnerholm T and Olerud S ... 893
***Foot, Gram-Negative Osteomyelitis following Puncture Wounds of the.** Miller EH and Semian DW ... 535
Foot in Hemiplegia, The Operated Management of the Plantar Flexed Inverted. Tracy HW ... 1035
Foot Infections in the Diabetic, Mixed Aerobic-Anaerobic. Daniel D et al ... 133
Foot Pain, Unrecognized Cause of — Divergent Diastasis of First and Second Tarsometatarsal Rays. Turco VJ ... 1034
***Footdrop, Experimental Correction of, by Electrical Stimulation of the Peroneal Nerve.** Waters RL, McNeal D and Perry J ... 1047
***Fracture, Arterial Injury Associated with Closed Femoral-Shaft. Report of Five Cases.** Isaacson J, Louis DS and Costenbader JM ... 1147
***Fracture of the Capitulum Humeri.** Alvarez E, Patel M, Nimberg G and Pearlman H ... 1093
***Fracture of the Coracoid Process, Stress: Trapshooter's Shoulder. Case Report.** Boyer DW Jr. ... 862
***Fracture in a Diabetic, Non-Clostridial Gas Infection of a. A Case Report.** Deutsch SD ... 1009
***Fracture-Dislocation, Dislocation of the Medial Cuneiform Bone in Tarsometatarsal. A Case Report.** Brown DC and McFarland GB Jr. ... 858
***Fracture and Dislocation of the Hamate, Irreducible Transcapitate. Report of a Case.** Mathison GW and MacDonald RI ... 1166
***Fracture-Dislocation of the Hip, Acetabular Disruption and Central.** Carnesale PG, Stewart MJ and Barnes SN ... 1054
***Fracture-Dislocation of the Lumbosacral Spine. A Case Report.** Samberg LC ... 1007
***Fracture-Dislocations, Galeazzi.** Mikić ZDj ... 1071
***Fracture-Dislocations of the Hip, Non-Operative Management of Central.** Tipton WW, D'Ambrosia RD and Ryle GP ... 888
***Fracture, False Aneurysm of the Profunda Femoris Artery Resulting from Intertrochanteric. A Case Report.** Abraham E, Pankovich AM and Jansey F ... 871
***Fracture, Fatigue: The Basic Lesion in Isthmic Spondylolisthesis.** Wiltse LL, Widell EH Jr. and Jackson DW ... 17
***Fracture of Femoral Neck and Shaft and Repeat Neck Fracture in a Child. Case Report.** Hoeksema HD, Olsen C and Rudy R ... 271
***Fracture of the Femoral Neck Treated with a Muscle-Pedicle Graft, Displaced. With Emphasis on the Treatment of These Fractures in Young Adults.** Meyers MH, Moore TM and Harvey JP Jr. ... 718

PAGE

Fracture of the Femur in the Elderly Patient, Supracondylar. Hamilton WC et al ... 1031
***Fracture of the Hook of the Hamate. A Case Report.** Cameron HU, Hastings DE and Fournasier VL ... 276
***Fracture of the Humerus in Children, Irreducible Supracondylar. A Report of Two Cases.** Elstrom JA, Pankovich A and Kassab MT ... 680
***Fracture of the Lesser Tuberosity of the Humerus, Isolated Avulsion. A Case Report and Review of the Literature.** LaBriola JH and Mohaghegh HA ... 1011
***Fracture of the Medial Condyle of the Humerus.** El Ghawabi MH ... 677
***Fracture, Tardy Palsy of the Posterior Interosseous Nerve with a Monteggia.** Lichter RL and Jacobsen T ... 124
***Fracture of the Tibial Shaft, Cavus Deformity of the Foot after.** Karlström G, Lönnerholm T and Olerud S ... 893
Fracture Treatments on Blood Flow and Healing, Effect of Different. Barron SE and Kelly PJ ... 569
***Fracture, Unusual Accessory (Bipartite) Talus Simulating. A Case Report.** Weinstein SL and Bonfiglio M ... 1161
***Fractured Phalanges, An Instrument Designed to Help Reduce and Percutaneously Pin.** Blalock HS, Pearce HL, Kleinert H and Kutz J ... 792
***Fractures, Acute Osteomyelitis following Closed. Report of Three Cases.** Canale ST, Puhl J, Watson FM and Gillespie R ... 415
***Fractures, Acute Respiratory Failure Complicating Multiple, in the Absence of Fat Embolism. A Study of Pathogenesis and Treatment and a Preliminary Report of Catheterization of the Right Side of the Heart.** Hassmann GC and Shauble JF ... 188
***Fractures and Anatomical Variations of the Proximal Portion of the Fifth Metatarsal.** Dameron TB Jr. ... 788
Fractures at Biopsy Site in Long Bones, Iatrogenic. Cattell HS and Pomeroy TC ... 1026
***Fractures, Blood Flow and Mineral Deposition in Canine Tibial.** Paradis GR and Kelly PJ ... 220
***Fractures, Colles'. Functional Bracing in Supination.** Sarmiento A, Pratt GW, Berry NC and Sinclair WF ... 311
***Fractures in Conjunction with Total Hip Replacement, Femoral.** Scott RD, Turner RH, Leitzes SM and Aufranc OE ... 494
***Fractures by the Deyerle Method, Treatment of Intracapsular Hip. A Comparative Review of One Hundred and Nineteen Cases.** Chapman MW, Stehr JH, Eberle CF, Bloom MH and Bovill EG Jr. ... 735
***Fractures of the Distal End of the Radius, Pins and Plaster Treatment of Comminuted.** Green DP ... 304
Fractures of the Femoral Shaft and Associated Ipsilateral Fractures of the Hip and/or Patella. Bernstein SM and Meyers MH ... 1029
***Fractures of the Femur with Methylmethacrylate, Experimental Fixation of.** Stubbs BE, Matthews LS and Sonstegard DA ... 317
***Fractures, Forearm. Early Functional Bracing — A Preliminary Report.** Sarmiento A, Cooper JS and Sinclair WF ... 297
***Fractures of the Lateral Humeral Condyle in Children, Prevention and Treatment of Non-Union of Slightly Displaced: An End-Result Study.** Flynn JC, Richard JF Jr. and Saltzman RI ... 1087
***Fractures of Long Bones, The Treatment of Infected Non-Union of. Study of Sixty-four Cases with a Five to Twenty-one-Year Follow-up.** Meyer S, Weiland AJ and Willenegger H ... 836
***Fractures, Nailing versus Prosthesis for Femoral-Neck. A Critical Review of Long-Term Results in Two Hundred and Thirty-nine Consecutive Private Patients.** Johnson JTH and Crothers O ... 686
***Fractures of the Neural Arch of the Axis. A Report of Twenty-nine Cases.** Brashear HR Jr., Venters GC and Preston ET ... 879
***Fractures in Osteoporotic Patients, The Use of Methylmethacrylate as an Adjunct in the Internal Fixation of Unstable Comminuted Intertrochanteric.** Harrington KD ... 744
***Fractures of the Pelvis, Impotence after.** King J ... 1107
***Fractures, Percutaneous Pin Fixation of Open Tibial. Double-Frame Anchorage Using the Vidal-Adrey Method.** Karlström G and Olerud S ... 915
Fractures, Postponed Union of Long Bone, with Two-Plate Fixation. Rockey HC ... 135
***Fractures of the Radius and Ulna, Compression-Plate Fixation in Acute Diaphyseal.** Anderson LD, Sisk TD, Tooms RE and Park WI III ... 287
Fractures, Review of 156 Open Femoral. Treatment with Traction and Cast Bracing. Hackethorn JC et al ... 1029
***Fractures, Rotational Control of Unstable Subcapital. An Experimental Study.** Baril JD, Sonstegard DA and Matthews LS ... 613
***Fractures, A Salvage Procedure for Complicated Ununited Tibial. Tibiofibular Cross-Peg Grafting.** McMaster PE and Hohl M ... 720
***Fractures of the Tibia and Fibula, Intramedullary Nailing in the Treatment of Open.** Harvey JF, Hodgkinson AHT and Harvey PM ... 909
Fractures of the Tibial Attachment of the Posterior Cruciate Ligament, Isolated Avulsion. Meyers MH ... 1028
***Fractures of the Tibial Shaft after Skiing and Other Accidents.** Van Der Linden W, Sunzel H and Larsson K ... 321
Fractures Treated with the Bagby Compression Bone Plate. Bagby GW ... 1031
Fractures Treated at Hennepin County Medical Center, An Analysis of 1,025 — A Retrospective and Prospective Study. Gustilo RB and Anderson J ... 1029
***Fractures, The Treatment of Trochanteric Hip, Using a Compression Screw.** Ecker ML, Joyce JJ III and Kohl EJ ... 23
Fractures at the University of Alabama Hospitals, Ten Years' Experience Intramedullary Nailing of Femoral Shaft. Warmbrod JG, Jr. et al ... 1032
Fungal Invasions Secondary to Large Burns, Upper Extremity. Salisbury RE et al ... 724

G

Gait Analysis, Three-Dimensional Stroboscopic. Schulz E et al ... 574
Gait, Kinematic Evaluation of Low-Back Motion During. Chao EY et al ... 574
Gait, The Posterior Calf Muscles in Normal. Mann RA et al ... 574
Gait Variables, Some Observations of Relations Among. Wirta RW ... 567
***Galeazzi Fracture-Dislocations.** Mikić ZDj ... 1071
***Gangrene of the Newborn. A Case Report.** Hensinger RN ... 121

PAGE

Gas Tensions in Healing Tissues of Traumatized Patients. Heppenstall RB et al 1029
***Genitourinary Anomalies Associated with Klippel-Feil Syndrome.** Moore WB, Matthews TJ and Rabinowitz R 355
***Giant-Cell Tumor of Bone. A Demographic, Clinical, and Histopathological Study of All Cases Recorded in the Swedish Cancer Registry for the Years 1958 through 1968.** Larsson S-E, Lorentzon R and Boquist L 167
***Giant-Cell Tumor, The Natural History of a. Case Report.** Vistnes LM and Vermeulen WJ 865
***Giant-Cell Tumor of the Radius Treated by Massive Resection and Tibial-Bone Graft.** Campbell CJ and Akbarnia BA 982
***Giant-Cell Tumors in the Long Bones, Multicentric. A Case Report.** Tornberg DN, Dick HM and Johnston AD 420
***Glenohumeral Joint, Compound Posterior Dislocation of the. Case Report.** Moeller JC 1006
***Glucocorticoids, Alteration of Rabbit Articular Cartilage by Intra-Articular Injections of.** Behrens F, Shepard N and Mitchell N 70
***Gluteal Fibrosis.** Peiro A, Ildefonso Fernandez C and Gomar F 987
***Grafting, Tibiofibular Cross-Peg. A Salvage Procedure for Complicated Ununited Tibial Fractures.** McMaster PE and Hohl M 720
Growth Plate Metabolism, "In Vitro" Assessment of: The Relationship Between "In Vivo" Growth Rate and "In Vitro" Response to Somatomedin. Seinsheimer F III and Sledge CB 579
Gunshot Wounds of Extremities. Kinman PB et al 1029

H

***Hallermann-Streiff Syndrome, Bilateral Dislocation of the Hip in. A Case Report.** Steel HH, Akbarnia BA and Lang BD 1002
***Hallux Varus, Acquired: A Preventable and Correctable Disorder.** Miller JW 183
***Halo-Pelvic Distraction, A Complication of. Avascular Necrosis of the Proximal End of the Dens.** Tredwell SJ and O'Brien JP 332
***Hamate, Fracture of the Hook of the. A Case Report.** Cameron HU, Hastings DE and Fournasier VL 276
***Hamate, Irreducible Transcapitate Fracture and Dislocation of the. Report of a Case.** Mathison GW and MacDonald RI 1166
Hand, Analysis of Infections after Silicone Rubber Prosthesis in the. Millender LH et al 724
***Hand, Aneurysm of the, Secondary to Kaposi's Sarcoma. Case Report.** Baxt S, Mori K and Hoffman S 995
***Hand, Angiography in the Diagnosis of Osteoid-Osteoma of the.** O'Hara JP III, Tegtmeyer C, Sweet DE and McCue FC 163
***Hand, Chondromas of the Tendon Sheath of the. Report of a Case and Review of the Literature.** Strong ML Jr. 1164
***Hand, Factitious Lymphedema of the.** Smith RJ 89
***Hand Grip and Elbow Extension in Quadriplegia, Surgical Treatment for Absent Single-. Principles and Preliminary Experience.** Moberg E 196
***Hand, High-Pressure Injection Injuries of the.** Gelberman RH, Posch L and Jurist JM 935
Hand, High-Pressure Injection Injuries of the: The First Hundred Cases. Roberts TL III et al 725
***Hand, Infection after Silicone Prosthetic Arthroplasty in the.** Millender LH, Nalebuff EA, Hawkins RB and Ennis R 825
Hand, Management of Painful Neuromata in the. Herndon JH et al 1172
***Hand, Metaplastic Bone Formation (Myositis Ossificans) in the Soft Tissues of the. Case Report.** Johnson MK and Lawrence JF 999
Hand, A New Intrinsic Tendon Transfer for the Paralytic. Brooks AL and Jones DS 730
Hand Reconstruction by Microvascular Island Flap Transplantation. Buncke HJ 729
Hand Surgery, Use of Chemically Preserved Tendon Allografts in. Iselin F and Peze W 727
***Hand, Thrombosis of the Ulnar Artery in the. Report of Five Cases.** Herndon WA, Hershey SL and Lambdin CS 994
***Hand Tumors as a Complication of Hyperlipidemia, Osseous Xanthoma and Multiple. Report of a Case.** Hamilton WC, Ramsey PL, Hanson SM and Schiff DC 551
Hands, Replantation of Amputated Digits and. Urbaniak JR et al 1172
***Harrington Instrumentation and Fusion in the Adult Idiopathic Scoliosis Patient, Results of.** Ponder RC, Dickson JH, Harrington PR and Erwin WD 797
Harrington Instrumentation of Thoracic and Lumbar Spinal Injuries. Flesch JR et al 1025
Hauser Procedure, Late Results of. Crosby EB and Insall J 1027
***Heart Defects, The Association of Scoliosis and Congenital.** Reckles LN, Peterson HA, Bianco AJ Jr. and Weidman WH 449
***Heart, A Study of Pathogenesis and Treatment and a Preliminary Report of Catheterization of the Right Side of the. Acute Respiratory Failure Complicating Multiple Fractures in the Absence of Fat Embolism.** Hassmann GC and Shauble JF 188
***Heel Syndrome, The Painful. Plantar Fasciitis.** Furey JG 672
***Hemangioendothelioma of Bone, Malignant.** Larsson S-E, Lorentzon R and Boquist L 84
***Hemophilia, Fibrosarcoma Presenting as a Pseudotumor of. Report of an Unusual Case.** Lieberg OU, Penner JA and Bailey RW 422
Hemophilia, Synovectomy in — A Preliminary Report. Ewald BE et al 139
***Hemophiliac, Reversed Dynamic Slings for Knee-Flexion Contracture in the.** Stein H and Dickson RA 282
***Hemophilic Patients, Surgery in.** Post M and Telfer MC 1136
***Hemophilic Pseudotumor, On the Natural History of.** Ahlberg ÅKM 1133
***Hemophilic Pseudotumor Treated with Replacement Therapy and Radiation. Report of a Case.** Hilgartner MW and Arnold WD 1145
Heparin and Mouse Bone Collagenase, Studies on the Interaction Between. Sakamoto S et al 573
***Heroin Addicts, Septic Arthritis Due to Pseudomonas in.** Gifford DB, Patzakis M, Ivler D and Swezey RL 631
***Heroin Users, Serratia Arthritis in.** Ross GN, Baraff LJ and Quismorio FP 1158

PAGE

***Hip, Acetabular Disruption and Central Fracture-Dislocation of the.** Carnesale PG, Stewart MJ and Barnes SN 1054
***Hip, Arthrographic Demonstration of an Enlarged Iliopsoas Bursa Complicating Osteoarthritis of the. A Case Report.** Warren R, Kaye JJ and Salvati EA 413
***Hip Arthroplasty, Conversion of the Arthrodesed Hip to a Total.** Brewster RC, Coventry MB and Johnson EW Jr. 27
***Hip Arthroplasty, Hematogenous Infection in Bilateral Total. Case Report.** Burton DS and Schurman DJ 1004
***Hip Arthroplasty, Reattachment of the Greater Trochanter in Total, by Use of a Bolt.** Volz RG and Turner RH 129
Hip Arthroplasty, Total, for Complete Congenital Dislocation of the Hip. Peterson LFA et al 139
***Hip Arthroplasty Treated by Reoperation, Complications of Total.** Nolan DR, Fitzgerald RH Jr., Beckenbaugh RD and Coventry MB 977
Hip, The Assets and Liabilities of Trochanteric Osteotomy in the Lateral Approach to the. Welch RB et al 1024
Hip, Central Fracture Dislocation of the — Comparison of Nonoperative Management Techniques. Tipton WW et al 135
***Hip, Congenital Dislocation of the, Associated with Central Core Disease.** Ramsey PL and Hensinger RN 648
***Hip, Conversion of the Arthrodesed, to a Total Hip Arthroplasty.** Brewster RC, Coventry MB and Johnson EW Jr. 27
Hip, Dial Osteotomy of the Acetabulum in the Treatment of Dysplasia of the. Eppright RH 1172
***Hip Dislocation in Children, Voluntary Posterior. Report of Two Cases.** Broudy AS and Scott RD 716
Hip Dislocation and Dysplasia, The Results of Chiari Innominate Osteotomy for. Hoekman RE et al 135
***Hip Dislocation in Myelodysplasia, Pelvic Displacement Osteotomy for Chronic.** Canale ST, Hammond NL III, Cotler JM and Snedden HE 177
Hip, Evaluation of Hemiarthroplasty of the, with Cemented Femoral Prostheses. Beckenbaugh RD et al 1022
***Hip Fractures by the Deyerle Method, Treatment of Intracapsular. A Comparative Review of One Hundred and Nineteen Cases.** Chapman MW, Stehr JH, Eberle CF, Bloom MH and Bovill EG Jr. 735
Hip Fractures, Treatment of 1,000 Consecutive, by the Use of the Sliding Nail-Variable Angle Plate Method. Habermann ET et al 1022
***Hip Fractures, The Treatment of Trochanteric, Using a Compression Screw.** Ecker ML, Joyce JJ III and Kohl EJ 23
Hip Fractures in Young Adults, Intracapsular. Report of a Method Using Fibular Graft and Multiple-Pin Fixation. Bramwell ST and Hansen ST Jr. 138
***Hip Fusion, Walking Patterns of Men with Unilateral Surgical.** Gore DR, Murray MP, Sepic SB and Gardner GM 759
***Hip in Hallermann-Streiff Syndrome, Bilateral Dislocation of the. A Case Report.** Steel HH, Akbarnia BA and Lang BD 1002
***Hip, Idiopathic Chondrolysis of the. Report of Two Cases.** Wenger DR, Mickelson MR and Ponseti IV 268
***Hip, Legg-Perthes Disease in the Young — Does It Necessarily Do Well?** Snyder CR 751
***Hip Lifter, The. An Aid to Total Hip-Replacement Arthroplasty Performed in the Supine Position.** Freiberg RA and Stern E 429
***Hip in Myelodysplasia, Paralytic Dislocation of the. The Role of the Adductor Transfer.** London JT and Nichols O 501
***Hip, Non-Operative Management of Central Fracture-Dislocations of the.** Tipton WW, D'Ambrosia RD and Ryle GP 888
***Hip Prostheses, Failed Femoral Stems in Total. A Report of Six Cases.** Galante JO, Rostoker W and Doyle JM 230
***Hip Prostheses, "Stiction-Friction" of, and Its Relationship to Loosening.** Simon SR, Paul IL, Rose RM and Radin EL 226
Hip Prosthesis, An Analytical Study of Stresses in a Femoral Stem of a Total. Andriacchi TP et al 565
Hip Prosthesis, Structural Analysis Consideration in the Design of the Total. Forte MR 565
Hip Reconstruction in Old Completely Dislocated Hips, Total. Dunn HK and Hess WE 135
Hip Replacement, An Aid to Diagnosis in the Painful — Bone Scanning. Lynch JA 1024
Hip Replacement, Arthrographic Studies on Patients with Painful as Compared with Asymptomatic Total. Rodrigo JJ and Murray WR 138
***Hip Replacement, Arthrography for the Assessment of Pain after Total. A Comparision of Arthrographic Findings in Patients with and without Pain.** Murray WR and Rodrigo JJ 1060
***Hip-Replacement Arthroplasty, Avoiding Complications with Long-Stem Total. Brief Note.** Scott RD and Turner RH 722
***Hip-Replacement Arthroplasty Performed in the Supine Position, An Aid to Total. Brief Note.** Scott RD and Turner RH 429
***Hip Replacement Arthroplasty, The Use of Spinal Anesthesia for Total.** Sculco TP and Ranawat C 173
***Hip Replacement, The Effect of Operating-Room Environment on the Infection Rate after Charnley Low-Friction Total.** Brady LP, Enneking WF and Franco JA 80
***Hip Replacement, Femoral Fractures in Conjunction with Total.** Scott RD, Turner RH, Leitzes SM and Aufranc OE 494
Hip Replacement, Infected Total — Results and Complications. Nelson CL et al 1025
***Hip Replacement, Kinesiology after McKee-Farrar Total. A Two-Year Follow-up of One Hundred Cases.** Murray MP, Brewer BJ, Gore DR and Zuege RC 337
Hip Replacement, Myositis Ossificans Following Total. Matos M et al 137
Hip Replacement Surgery, The Use of Banked Autogenous Blood in Total. Mallory TH and Kennedy M 1033
Hip Replacement, Trapezoidal-28. Preliminary Results. Amstutz HC and Matos M 1024
Hip Replacements, Arthrographic Studies on Patients with Painful as Compared with Asymptomatic Total. Murray WR and Rodrigo JJ 1024
***Hip Replacements, A Controlled Clinical Study of Randomly Selected Patients**

* Indicates full article.

PAGE

Treated with Charnley and Ring Total. The Relative Safety of Polymethylmethacrylate. Convery FR, Gunn DR, Hughes JD and Martin WE 57
Hip Replacements, Hematogenous Infection of Total. A Report of Four Cases. Artz TD et al 1024
***Hip Surgery, Arteriographic Management of Postoperative Bleeding following Major. Case Report.** Oppenheim WL, Harley JD and Lippert FG III 127
***Hip, The Trochanteric Approach to the, for Prosthetic Replacement.** English TA 1128
Hip, Varus-Medial Displacement Osteotomy of the, for Control of Valgus Instability in Children. Makley JT et al 1172
***Hips, Arthroplasty of Both, and Both Knees in Rheumatoid Arthritis.** Johnson KA 901
***Hips, Total Joint Replacement for Ankylosed. Indications, Technique, and Preliminary Results.** Amstutz HC and Sakai DN 619
Hormone Suppression of DNA Synthesis in Cultured Chondrocyte and Osteosarcoma Cell Lines. Scranton PE Jr. et al 573
Huber Procedure for Congenital Absence of the Thenar Muscles, The. Riordan DC et al 725
***Humeral Condyle in Children, Prevention and Treatment of Non-Union of Slightly Displaced Fractures of the: A Thirteen-Year End-Result Study.** Flynn JC, Richards JF Jr. and Saltzman RI 1087
***Humerus in Children, Irreducible Supracondylar Fracture of the. A Report of Two Cases.** Elstrom JA, Pankovich A and Kassab MT 680
***Humerus, Fracture of the Medial Condyle of the.** El Ghawabi MH 677
***Humerus, Isolated Avulsion Fracture of the Lesser Tuberosity of the. A Case Report and Review of the Literature.** LaBriola HJ and Mohaghegh HA ... 1011
***Hyperlipidemia, Osseous Xanthoma and Multiple Hand Tumors as a Complication of. Report of a Case.** Hamilton WC, Ramsey PL, Hanson SM and Schiff DC 551
***Hyperparathyroidism, Tendon Ruptures with Secondary. A Case Report.** Cirincione RJ and Baker BE 852
Hypomagnesemia: Its Effect on Calcium Homeostasis and Metabolically Controlled Bone Turnover. Bodell LS et al 571

I

***Iliopsoas Bursa Complicating Osteoarthritis of the Hip, Arthrographic Demonstration of an Enlarged. A Case Report.** Warren R, Kaye JJ and Salvati EA 413
***Iliotibial Band Friction Syndrome, The.** Renne JW 1110
***Immunogenicity of Fresh and Frozen Allogeneic Bone, The.** Langer F, Czitrom A, Pritzker KP and Gross AE 216
***Immunotherapy in Primary Osteosarcoma. An Interim Report.** Neff JR and Enneking WF 145
***Impotence after Fractures of the Pelvis.** King J 1107
***Index Metacarpophalangeal Joint, A Simplified Technique for Treating the Complex Dislocation of the.** Becton JL, Christian JD Jr., Goodwin HN and Jackson JG III 698
***Infected Non-Union of Fractures of Long Bones, The Treatment of. Study of Sixty-four Cases with a Five to Twenty-one-Year Follow-up.** Meyer S, Weiland AJ and Willenegger H 836
***Infection in Bilateral Total Hip Arthroplasty, Hematogenous. Case Report.** Burton DS and Schurman DJ 1004
***Infection of a Fracture in a Diabetic, Non-Clostridial Gas. A Case Report.** Deutsch SD 1009
Infection, Immunodeficiency and Infantile Bone and Joint. Kuo KK et al 1023
***Infection Rate after Charnley Low-Friction Total Hip Replacement, The Effect of Operating-Room Environment on the.** Brady LP, Enneking WF and Franco JA 80
***Infection of the Sacro-Iliac Joint, Pyogenic. Report of Thirteen Cases.** Delbarre F, Rondier J, Delrieu F, Evrard J, Cayla J, Menkes CJ and Amor B ... 819
***Infection after Silicone Prosthetic Arthroplasty in the Hand.** Millender LH, Nalebuff EA, Hawkins RB and Ennis R 825
***Infections with *Staphylococcus aureus* and Micrococcus Species, Knee Joint. Influence of Antibiotics, Metal Debris, Bacteremia, Blood, and Steroids in a Rabbit Model.** Schurman DJ, Johnson BL Jr. and Amstutz HC 40
Injuries, Jack-O'Lantern. Brown RL 132
Intramedullary and Endoprosthetic Surgery, The Importance of Intravascular Coagulation, Fat Embolism and Acrylic Monomers for Respiratory and Circulatory Dysfunctions during. Modig J et al 583
Intraneural Microvessels, Structure and Function of the, as Related to Trauma, Edema Formation and Nerve Function. Lundborg G 725
Ischemia, Tourniquet. Ultrastructural and Histochemical Observations of Human Muscle and of Monkey Muscle and Nerve. Tountas CP and Bergman RA 727

J

Joint Function, The Role of Cancellous Bone in. Pugh J 575
***Joint Injuries, The Early Management of Open. A Prospective Study of One Hundred and Forty Patients.** Patzakis MJ, Dorr LD, Ivler D, Moore T and Harvey JP Jr. 1065
Joint Lavage in Preventing Cartilage Destruction in an Experimentally Produced *Staphylococcus aureus* Joint Infection, The Effect of. Daniel D et al .. 583
Joint Remodelling, A Mechanism for Continuous? — A Study of Endochondral Ossification in The Adult. Lane LB et al 576
***Joint Replacement for Ankylosed Hips, Total. Indications, Technique, and Preliminary Results.** Amstutz HC and Sakai DN 619
Joint Replacement, Wear Studies in Materials for. Rostoker W and Galante J 582
Joint Replacements, Significance of Operative Cultures in Total. Dupont JA and Lumsden RM 138
Joint Stiffness in Rheumatoid Arthritis, Diagnosis and Treatment of Proximal Interphalangeal — An Additional Etiologic Factor. Millis MB et al 1030
***Joints, The Effect of Sensory Denervation on Rabbits' Knee. A Light and Electron Microscopic Study.** Finsterbush A and Friedman B 949
Joints, The Effect of Viscoelasticity on the Squeeze Film Action of Lubrication of Synovial. Mow VC and Kuei CK 567

K

PAGE

***Kaposi's Sarcoma, Aneurysm of the Hand Secondary to. Case Report.** Baxt S, Mori K and Hoffman S 995
***Kienbock's Disease, Ulnar Variance in.** Gelberman RH, Salamon PB, Jurist JM and Posch JL 674
***Kinesiology after McKee-Farrar Total Hip Replacement. A Two-Year Follow-up of One Hundred Cases.** Murray MP, Brewer BJ, Gore DR and Zuege RC 337
***Klippel-Feil Syndrome, Genitourinary Anomalies Associated with.** Moore WB, Matthews TJ and Rabinowitz R 355
Knee, The Analysis of Surgical Procedures for Treating Medial Instability of the. Bartel DL et al 570
***Knee Arthroplasty, An Axial Guide for Total.** Coventry MB 564
Knee Arthroplasty, The Importance of Intercondylar Stability in: Comparison of McKeever, Modular and Duo-Condylar Types. Ewald FC et al 1033
Knee Arthroplasty, Polycentric — A Two Year Follow-Up. Skolnick MD et al 1033
Knee Arthroplasty, Total: 100 Cases One Year Later. Mullen MP 134
Knee Arthroplasty Utilizing the Hebert Knee Prosthesis, Prosthetic — A Preliminary Report. Cracchiolo A III 134
Knee, Compartment Evaluation of Osteoarthritis of the: A Comparative Study of Available Diagnostic Modalities. Daniel D et al 133
***Knee, Diagnosis of Internal Derangements of the. The Role of Arthroscopy.** DeHaven KE and Collins HR 802
Knee, The Effect of Salicylate and Chloroquine on Prostaglandin-Induced Articular Damage in the Rabbit. Teitz CC and Chrisman OD 579
***Knee and Elbow, Restoration of Function in the, with a Hinge-Distractor Apparatus.** Volkov MV and Oganesian OV 591
***Knee-Flexion Contractures in the Hemophiliac, Reversed Dynamic Slings for.** Stein H and Dickson RA 282
Knee Function, The Effect of Patellectomy on. Sutton FS Jr. et al 1028
Knee, The Function of the Menisci of the. Walker PS and Erkman MJ 1028
***Knee, The Functional Treatment of Pyogenic Arthritis of the Adult.** Ballard A, Burkhalter WE, Mayfield GW, Dehne E and Brown PW 1119
***Knee, Giant Intra-Articular Osteochondroma of the. A Case Report.** Sarmiento A and Elkins RW 560
***Knee, Isolated Avulsion of the Tibial Attachment of the Posterior Cruciate Ligament of the.** Meyers MH 669
Knee Joint of the Aged Individual, Gross Pathological Changes in the — A Study of 300 Cases. Casscells SW 1033
Knee Joint, Contemporary Orthopedic Treatment of the Advanced Arthritic. Aidem HP 133
***Knee-Joint Forces during Flexed-Knee Stance, Analysis of.** Perry J, Antonelli D and Ford W 961
***Knee Joint Infections with *Staphylococcus aureus* and Micrococcus Species. Influence of Antibiotics, Metal Debris, Bacteremia, Blood and Steroids in a Rabbit Model.** Schurman DJ, Johnson BL Jr. and Amstutz HC 40
Knee Joint, The Relationship Between the Instant Centres of Rotation, the Ligament Length Patterns and the Ligament Tensions in the. Trent PS et al 570
***Knee Joint, Traumatic Dislocation of the. Follow-up Note.** Meyers MH, Moore TM and Harvey JP Jr. 430
***Knee Joints, The Effect of Sensory Denervation on Rabbits'. A Light and Electron Microscopic Study.** Finsterbush A and Friedman B 949
Knee, Open Reduction with Patellar Tendon Elongation for Congenital Dislocation of the. Gilbert RJ et al 133
Knee Post Meniscectomy, Mechanical Changes in the. Krause W et al 570
Knee Prostheses, Fixation of the Tibial Components of Head Replacement. Walker PS and Hsieh H-H 572
Knee Prostheses with Four Years' Follow-up, Results of 292 Guepar. Deburge A 1033
***Knee Prosthesis, Performance Analysis of an *ex Vivo* Geometric Total.** Recking FW, Asher MA, Mantz FA and Helton DO 108
Knee Replacement Arthroplasty, Geometric — Early Results. Wilde AH et al 134
Knee, The Spherocentric. Kaufer H et al 1171
Knee Stability, In-Vitro Measurement of Ligamentous — A Biomechanical Study. Markolf KL et al 580
***Knee, Synovectomy for Rheumatoid Arthritis of the.** Paradies LH 95
Knee, The Total: Quantitative Analysis of In-Vivo Function. Albright JP et al . 569
***Knees in Rheumatoid Arthritis, Arthroplasty of Both Hips and Both.** Johnson KA 901
Kyphosis, The Management of. Hall JE 1173
***Kyphosis, Scheuermann's. Results of Surgical Treatment by Posterior Spine Arthrodesis in Twenty-two Patients.** Bradford DS, Moe JH, Montalvo FJ and Winter RB 439
***Kyphosis following Solid Anterior Spine Fusion in Children with Tuberculosis of the Spine, Progressive.** Fountain SS, Hsu LCS, Yau ACMC and Hodgson AR 1104

L

Laminectomy, The Effect of, on the Pediatric Spinal Cord Injured Patient. Morgan RC Jr. et al 1025
Laminectomy in Traumatic Quadriplegia. Mayer TG 136
Lathyrism on Strain-Related Potentials in Whole Bone, The Effect of. Steinberg ME et al 575
***Leg, The Deep Posterior Compartmental Syndrome of the.** Matsen FA III and Clawson DK 34
***Legg-Calvé-Perthes Disease Coexistent with Slipped Capital Femoral Epiphysis. A Case Report.** Crawford AH 280
***Legg-Calvé-Perthes Disease, Osteochondritis Dissecans in.** Kamhi E and MacEwen GD 506
***Legg-Calvé-Perthes Disease, Treatment of. Prognostic Value of Catterall's Classification.** Kamhi E and MacEwen GD 651
Legg-Perthes Disease and Avascular Necrosis with Delineation of the Importance of the Lateral Viable Segment, Comparative Pathology of. Ferguson AB Jr. 1023
***Legg-Perthes Disease in the Young Hip — Does It Necessarily Do Well?** Snyder CR 751

PAGE

Legg-Perthes Syndrome, Methods of Containment of. Craig WA and Kramer WG ... 135
***Leprosy, Opponensplasty in Intrinsic-Muscle Paralysis of the Thumb in.** Palande DD ... 489
Letters to the Editor ... 433, 730, 1178
Ligament in the Beagle Dog, Prosthetic Anterior Cruciate. Rubin RM et al ... 876
***Ligament, Congenital Absence of the Anterior Cruciate, Associated with a Ring Meniscus. Report of a Case.** Noble J ... 1165
***Ligament, Experimental Replacement of the Anterior Cruciate. A Histological and Microradiographic Study.** Chiroff RT ... 1124
***Ligament of the Knee, Isolated Avulsion of the Tibial Attachment of the Posterior Cruciate.** Meyers MH ... 669
***Ligament, Reconstruction of the Anterior Cruciate, by Semitendinosus Tenodesis.** Cho KO ... 608
***Ligament Rupture, A Mechanism of Isolated Anterior Cruciate. Case Report.** Wang JB, Rubin RM and Marshall JL ... 411
***Ligaments of the Ankle, Ruptures of the Fibular Collateral. Result Study of Immediate Surgical Treatment.** Staples OS ... 101
Ligaments and Tendons After Local Corticosteroid Injections, Biomechanical and Ultrastructural Changes in. Noyes FR et al ... 876
Limb Deformities in Dwarfism, Lower. Kopits SE ... 1172
***Lordosis and Loss of Pulmonary Function in Patients with Idiopathic Scoliosis, Excessive Thoracic.** Winter RB, Lovell WW and Moe JH ... 972
***Low-Back Syndrome, Preoperative Psychological Tests as Predictors of Success of Chemonucleolysis in the Treatment of the.** Wiltse LL and Rocchio PD ... 478
Lumbar Nerve Root Entrapment Syndrome. Macnab I ... 1173
***Lumbar Transverse Processes following Trauma, Unilateral Osseous Bridging of the. Case Report.** Jackson DW ... 125
Lupus Erythematosus, Orthopaedic Aspects of Systemic. Aptekar RG and Decker JL ... 1027
***Lymphedema of the Hand, Factitious.** Smith RJ ... 89

M

***McKee-Farrar Total Hip Replacement, Kinesiology after. A Two-Year Follow-up of One Hundred Cases.** Murray MP, Brewer BJ, Gore DR and Zuege RC ... 337
***Madelung's Deformity. An End-Result Study of Surgical Treatment.** Ranawat CS, DeFiore J and Straub LR ... 772
***Magnesium Deficiency on the Host Response to Intramuscular Bone Matrix Implanted in the Rat, The Effects of.** Bélanger LF, Robichon J and Urist MR ... 522
***Magnesium Deficiency in Rats, Bone Composition and Phosphatase Activity in.** Lai CC, Singer L and Armstrong WD ... 516
***Malpractice, The Anatomy of Orthopaedic. A Study of Two Hundred and Fifty Cases.** Kellsey DC ... 1013
***Marfan's Syndrome, Scoliosis in. Its Characteristics and Results of Treatment of Thirty-four Patients.** Robins P, Moe JH and Winter RB ... 358
***Marrow Pressure, Some Physiological Aspects of Bone.** Wilkes CH and Visscher MB ... 49
***Median-Nerve or Brachial Plexus Paralysis, Restoration of Strong Opposition after High.** Groves RJ and Goldner JL ... 112
***Mediterranean Fever, Articular Damage in Familial. Report of Four Cases.** Herness D and Makin M ... 265
***Meniscus, Congenital Absence of the Anterior Cruciate Ligament Associated with a Ring. Report of a Case.** Noble J ... 1165
Meniscus, An Unusual Tear of the Lateral, Diagnosable Only by Arthroscopy. O'Connor RL et al ... 139
***Meromelia, Autosomal Dominant Inheritance of Tibial. Report of a Kindred.** Clark MW ... 262
***Metacarpals, Volar Dislocation of the Bases of the Second and Third. A Case Report.** Harwin SF, Fox JM and Sedlin ED ... 849
Metacarpophalangeal Implants, Review and Analysis of 532 Silastic. Beckenbaugh RD et al ... 724
***Metacarpophalangeal Joint of a Finger, Tendon and Pulleys at the.** Brand PW, Cranor KC and Ellis JC ... 779
***Metacarpophalangeal Joint, A Simplified Technique for Treating the Complex Dislocation of the Index.** Becton JL, Christian JD Jr., Goodwin HN and Jackson JG III ... 698
Metacarpophalangeal Joint, A Simplified Technique for Treating the Complex Dislocation of the Index. Becton JL et al ... 730
***Metacarpophalangeal Joints in Rheumatoid Arthritis, Silastic Arthroplasty of the. Long-Term Results.** Mannerfelt L and Andersson K ... 484
Metatarsus Adductus, Dynamic. Smith CD et al ... 1035
Methyl Methacrylate as an Adjunct in the Internal Fixation of Unstable Comminuted Fractures in Osteoporotic Patients, The Use of. Harrington KD ... 138
***Methylmethacrylate as an Adjunct in the Internal Fixation of Unstable Comminuted Intertrochanteric Fractures in Osteoporotic Patients, The Use of.** Harrington KD ... 744
***Methylmethacrylate Bone Cement, Contact Dermatitis in Surgeons from.** Fries IB, Fisher AA and Salvati EA ... 547
***Methylmethacrylate, Experimental Fixation of Fractures of the Femur with.** Stubbs BE, Matthews LS and Sonstegard DA ... 317
Methyl Methacrylate on Phagocytosis, The Effect of. Green SA ... 583
Methylmethacrylate in the Re-Establishment of Bone Structural Strength in Experimentally Produced Diaphyseal Defects, Efficacy of: An In-vitro Biomechanical Analysis. Spengler DM et al ... 580
Milwaukee Brace Correction of Idiopathic Scoliosis: A Biomechanical Analysis. Andriacchi T et al ... 582
***Mineral, Contribution of Collagen and, to the Elastic-Plastic Properties of Bone.** Burstein AH, Zika JM, Heiple KG and Klein L ... 956
***Mineral Deposition in Canine Tibial Fractures, Blood Flow and.** Paradis GR and Kelly PJ ... 216
***Monteggia Fracture, Tardy Palsy of the Posterior Interosseous Nerve with a.** Lichter RL and Jacobsen T ... 124
***Moore Arthroplasty at Age Fourteen with Twenty-Year Follow-up. A Case Report.** Charendoff MD ... 715
Muscle Contusions, Treatment of Severe, by Anesthetic Nerve Blockade. Treanor WJ and Taylor LW ... 137
Muscle for Functional Use, Strong Fatigue Resistant Contractions Induced Electrically in Paralyzed. Peckham PH et al ... 580
***Muscle-Pedicle Graft, Displaced Fracture of the Femoral Neck Treated with a. With Emphasis on the Treatment of These Fractures in Young Adults.** Meyers MH, Moore TM and Harvey JP Jr. ... 718
Musculoskeletal Trauma in Dogs, The Pulmonary Effects of Methylprednisolone on. Jacobs RR and McClain O ... 573
***Mycobacterium kansasii Tendinitis and Fasciitis. Report of a Case Treated Successfully with Drug Therapy Alone.** Parker MD and Irwin RS ... 557
***Myelodysplasia, Paralytic Dislocation of the Hip in. The Role of the Adductor Transfer.** London JT and Nichols O ... 501
***Myelodysplasia, Pelvic Displacement Osteotomy for Chronic Hip Dislocation in.** Canale ST, Hammond NL III, Cotler JM and Snedden HE ... 177
***Myelodysplastics — Fate of Those Followed for Twenty Years or More.** Barden GA, Meyer LC and Stelling FH III ... 643

N

***Nailing versus Prosthesis for Femoral-Neck Fractures. A Critical Review of Long-Term Results in Two Hundred and Thirty-nine Consecutive Private Patients.** Johnson JTH and Crothers O ... 686
Nerve Changes Incident to Total Hip Arthroplasty, Peripheral. Weber ER et al ... 1171
***Nerve Compression Complicating a Tendon Graft Prosthesis, Median-.** DeLuca FN and Cowen NJ ... 553
***Nerve Compression in the Distal Part of the Forearm, Hypertrophy of the Flexor Carpi Ulnaris as a Cause of Ulnar-. Case Report.** Harrelson JM and Newman M ... 554
***Nerve-Entrapment Syndrome, Supraclavicular.** Gelberman RH, Verdeck WN and Brodhead WT ... 119
***Nerve Function, Edema Formation, and Trauma, Structure and Function of the Intraneural Microvessels as Related to. Review Article.** Lundborg G ... 938
Nerve Injury in the Human, Changes in Cutaneous Innervation Following. Zondervan JH et al ... 727
***Nerve, Malignant Schwannoma of the Medial Plantar Branch of the Posterior Tibial, (Unassociated with von Recklinghausen's Disease). A Case Report.** Giannestras NJ and Bronson JL ... 701
***Nerve, Tardy Palsy of the Posterior Interosseous, with a Monteggia Fracture.** Lichter RL and Jacobsen T ... 124
***Nerve, Tuberculoma of the Ulnar.** Sinha GP ... 131
Nerves for Relief of Intractable Pain, Direct Electrical Stimulation of the Peripheral. Nashold BS Jr. et al ... 729
***Neural Arch of the Axis, Fractures of the. A Report of Twenty-nine Cases.** Brashear HR Jr., Venters GC and Preston ET ... 879
Neurofibromatosis — Scoliosis. Chaglassian JH et al ... 1031
***Neurological Complications in the Treatment of Scoliosis, Acute. A Report of the Scoliosis Research Society.** MacEwen GD, Bunnell WP and Sriram K ... 404
News Notes ... 140, 284, 434, 587, 731, 877, 1036, 1175
***Non-Union and Congenital Pseudarthrosis, Direct-Current Stimulation of. Exploration of Its Clinical Application.** Brighton CT, Friedenberg ZB, Zemsky LM and Pollis PR ... 368
***Non-Union of Fractures of Long Bones, The Treatment of Infected. Study of Sixty-four Cases with a Five to Twenty-one-Year Follow-up.** Meyer S, Weiland AJ and Willenegger H ... 836

O

Obituary
William Alexander Rogers ... 438
***"Ondine's Curse." A Complication of Upper Cervical Spine Surgery.** Fielding JW, Tuul A and Hawkins RJ ... 1000
***Opponensplasty in Intrinsic-Muscle Paralysis of the Thumb in Leprosy.** Palande DD ... 489
***Orthopedics, Orthopaedic Surgery, Musculoskeletology, Orthopaedics.** Lipscomb PR ... 872
***Orthosis for the Management of Genu Recurvatum in Spastic Cerebral Palsy, A Fixed-Ankle, Below-the-Knee.** Rosenthal RK, Deutsch SD, Miller W, Schumann W, and Hall JE ... 545
***Osseous Bridging of the Lumbar Transverse Processes following Trauma, Unilateral. Case Report.** Jackson DW ... 125
***Osteoarthritis of the Hip, Arthrographic Demonstration of an Enlarged Iliopsoas Bursa Complicating. A Case Report.** Warren R., Kaye JJ and Salvati EA ... 413
***Osteoarthritis Model, Biochemical Confirmation of an Experimental.** Ehrlich MG, Mankin HJ, Jones H, Grossman A, Crispen C and Ancona D ... 392
***Osteoblastoma, Benign: Range of Manifestations.** Marsh BW, Bonfiglio M, Brady LP and Enneking WF ... 1
***Osteoblastoma, Malignant Transformation of Benign. A Case Report.** Seki T, Fukuda H, Ishii Y, Hanaoka H, Yatabe S, Takano M and Koide O ... 424
Osteochondritis Dissecans: A Histologic and Microradiographic Analysis of Surgically Excised Lesions. Chiroff RT and Cooke CP III ... 1032
***Osteochondritis Dissecans in Legg-Calvé-Perthes Disease.** Kamhi E and MacEwen GD ... 501
***Osteochondroma of the Femur, Pseudoaneurysm of the Femoral Artery Caused by. A Case Report.** Solhaugh JH and Olerud SE ... 867
***Osteochondroma of the Knee, Giant Intra-Articular. A Case Report.** Sarmiento A and Elkins RW ... 560
Osteochondromatosis, The Origins and Evolution of Synovial. Milgram JW ... 1026
Osteogenesis Imperfecta Fibroblasts and Possible Use of Intrauterine Diagnoses, A Basic Defect of Mucopolysaccharide Metabolism in. Solomons CC et al ... 581
Osteogenesis Imperfecta (Including the Bailey Expandable Rod) at the Shriners Hospital, Los Angeles, California, Twenty Years Experience with Multiple Osteotomies and Intramedullary Fixation in. Marafioti RL and Westin GW ... 136
Osteogenesis Imperfecta, Magnesium Oxide in the Treatment of. Dietrich SL and Stryker WS ... 136
Osteogenesis Imperfecta, Scoliosis in. Hock KJ ... 136

* Indicates full article.

PAGE

Osteogenic Activity in Nonunions of Long Bones Using ^{99m}Tc Diphosphonate. Season EH et al ... 568
***Osteogenic Sarcoma, New Therapies for. An Editorial** ... 143
***Osteogenic Sarcoma. A Study of One Hundred and Thirty Cases.** Ohno T, Abe M, Tateishi A, Kako K, Miki H, Sekine K, Ueyama H, Hasegawa O and Obara K ... 397
***Osteoid-Osteoma as a Cause of Scoliosis.** Keim HA and Reina EG ... 159
Osteoid-Osteoma in Childhood. Worrall VT III and Ferguson R ... 1026
***Osteoid-Osteoma: Diagnostic Problems.** Sim FH, Dahlin DC and Beabout JW ... 154
***Osteoid-Osteoma of the Hand, Angiography in the Diagnosis of.** O'Hara JP III, Tegtmeyer C, Sweet DE and McCue FC ... 163
***Osteoid-Osteoma Producing Premature Fusion of the Epiphysis of the Distal Phalanx of the Big Toe. A Case Report.** Bordelon RL, Cracco A and Book MK ... 120
***Osteoid-Osteoma, Recurrent. Report of a Case.** Worland RL, Syder CT and Johnston AD ... 277
***Osteolysis, Carpal and Tarsal. A Case Report and Review of the Literature.** Beals RK and Bird CB ... 681
***Osteomyelitis following Closed Fractures, Acute. Report of Three Cases.** Canale ST, Puhl J, Watson FM and Gillespie R ... 415
Osteomyelitis, Irrigation-Suction Technique in the Treatment of. Howland J ... 133
***Osteomyelitis following Puncture Wounds of the Foot, Gram-Negative.** Miller EH and Semian DW ... 535
Osteonecrosis, Prevention of Dysbaric, in Compressed Air Workers Employed in Tunneling Operations by the Bay Area Rapid Transit District (BART). Jones JP Jr. and Behnke AR Jr. ... 1032
Osteoporosis Associated with Acute Lymphoblastic Leukemia. Holtrop ME and Watts HG ... 581
***Osteoporotic Patients, The Use of Methylmethacrylate as an Adjunct in the Internal Fixation of Unstable Comminuted Intertrochanteric Fractures in.** Harrington KD ... 744
***Osteosarcoma, Adoptive Immunotherapy in Primary. An Interim Report.** Neff JR and Enneking WF ... 145
Osteosarcoma, Growth and Carbohydrate Metabolism in. McMaster JH ... 572
Osteosarcoma, Immunotherapy of Murine. Miller CW et al ... 584
Osteosarcoma, A Laboratory Model for the Study of the Immunobiology of. Friedlaender GE and Mitchell MS ... 583
Osteosarcoma, A New Approach to: Hormone Therapy. McMaster JH ... 1171
Osteosarcoma in Rats, Virus Induced — An Experimental Model for the Study of Human Osteosarcomas. Czitrom AA et al ... 583
***Osteosarcoma, Spontaneous Resolution of an. Brief Note.** Callan JE and Wood VE ... 723

P

Paget's Disease of Bone, Effects of Sodium Etidronate on Clinical and Laboratory Manifestations of. Altman RD et al ... 581
Paget's Disease of Bone, Treatment of, with Mithramycin: Experiences with 100 Patients. Ryan WG ... 1026
***Pain, Acute Cervical, Associated with Soft-Tissue Calcium Deposition Anterior to the Interspace of the First and Second Cervical Vertebrae.** Bernstein SA ... 426
***Palmar Arch, Perforation of the Deep, Produced by Surgical Wire after Tenorrhaphy. A Case Report and Review of the Literature.** Diaz JE, Jones RS and Ciceric WF ... 1150
Parathyroid Hormone, Correlation Between the Synthesis and Release of Bone Collagenase and Bone Resorption Stimulated by. Sakamoto M et al ... 566
Parathyroid Hormone, Histological Studies of Bone from Normocalcemic Post-Menopausal Osteoporotic Patients with Increased Circulating. Teitelbaum SL et al ... 566
Parathyroid Hormone (PTH) in Organ Culture, A Quantitative Study of the Time Course Changes in the Ultrastructure and Activity of Osteoclasts in Bones Stimulated by. King GJ et al ... 577
Patella, The Aberrant — Pathology and Surgical Management. Pollack N ... 1027
***Patella Alta and Patella Infera: Their Etiological Role in Patellar Dislocation, Chondromalacia, and Apophysitis of the Tibial Tubercle.** Lancourt JE and Cristini JA ... 1112
Patella Baja. A Technical Consideration in Evaluating Results of Tibial Tubercle Transplantation. Blazina ME et al ... 1027
***Patella in Chinese, Chondromalacia of the. A Postmortem Study.** Marar BC and Pillay VK ... 342
Patella, Inelastic Trabecular Buckling and Its Implications for the Normal and Diseased. Townsend PR et al ... 572
***Patella, Preliminary Experience with a Method of Quadricepsplasty in Recurrent Subluxation of the.** Madigan R, Wissinger HA and Donaldson WF ... 600
Patella, Treatment of Subluxation of the. McElhinney JP et al ... 132
Patellar Dislocations and Subluxations, An Evaluation of the Trillat Procedure for Management of. Cox JS ... 133
Patellar Tendon Transfer, Dovetail — A Review of 89 Patients with Recurrent Patellar Dislocation, Subluxation and Chondromalacia. Albrigo J et al ... 1170
Patello-Femoral Contact Areas and the Prediction of Joint Reaction Force. Townsend PR et al ... 572
Patello-Femoral Joint, Load Bearing Characteristics of the. Henke JA et al ... 572
***Pelvic Displacement Osteotomy for Chronic Hip Dislocation in Myelodysplasia.** Canale ST, Hammond NL III, Cotler JM and Snedden HE ... 177
Pelvic Obliquity, Bilateral Posterior Iliac Osteotomy for Fixed. Lindseth RE ... 1172
***Pelvic Obliquity, Paralytic. Its Prognosis and Management and the Development of a Technique for Full Correction of the Deformity.** O'Brien JP, Dwyer AP and Hodgson AR ... 626
Pelvic Ring Reconstruction after Tumor Resection. Johnson JTH ... 1171
***Pelvis, Chondroblastoma of the, Suggestive of Malignancy. Report of an Unusual Case Treated by Wide Pelvic Excision.** McLaughlin RE, Sweet DE, Webster T and Merritt WM ... 549
***Pelvis, Impotence after Fractures of the.** King J ... 1107
Pelvis, Non-Union-Fractures of the. Pennal GF and Massiah K ... 1022
Perichondrial Groove of Ranvier — A Morphologic, Histochemical and Autoradiographic Study. Shapiro F et al ... 577

PAGE

Periosteum, Protein Polysaccharide Activation of the Resting: A Light and Electron Microscopic Study. Tornberg DN et al ... 577
***Peroneal Nerve, Experimental Correction of Footdrop by Electrical Stimulation of the.** Waters RL, McNeal D and Perry J ... 1047
***Peroneal Tendons, Subluxation of. Case Treated by Rerouting Tendons under Calcaneofibular Ligament.** Sarmiento A and Wolf M ... 115
Perthes Disease and Its Implications, Classification of. Lukins JL ... 136
***Phalanges, An Instrument Designed to Help Reduce and Percutaneously Pin Fractured.** Blalock HS, Pearce HL, Kleinert H and Kutz J ... 792
***Phalanx, The Fascia of the Distal.** Shrewsbury M and Johnson RK ... 784
Pharmacokinetics of Nickel (II), Cobalt (II), and Chromium (III) in the Rat. Onkelinx C ... 582
***Phosphatase Activity in Magnesium Deficiency in Rats, Bone Composition and.** Lai CC, Singer L and Armstrong WD ... 516
***Plantar Fasciitis. The Painful Heel Syndrome.** Furey JG ... 672
***Pollicization, Treatment by Digital: Traumatic Amputation of the Thumb and Three Fingers. A Case Report.** Herndon JH, Littler JW, Watson FM and Eaton RG ... 708
***Polydactyly, Crossed. Case Report and Review of the Literature.** Nathan PA and Keniston RC ... 847
***Polymethylmethacrylate Bone Cement, A Characterization of.** Haas S, Brauer GM and Dickson G ... 381
***Polymethylmethacrylate to Enhance Screw Fixation in Bone, Use of.** Cameron HU, Jacob R, Macnab I and Pilliar RM ... 655
***Polymethylmethacrylate, The Relative Safety of. A Controlled Clinical Study of Randomly Selected Patients Treated with Charnley and Ring Total Hip Replacements.** Convery FR, Gunn DR, Hughes JD and Martin WE ... 57
***Postural Stability and Steadiness, Normal: Quantitative Assessment.** Murray MP, Seireg AA and Sepic SB ... 510
***Presidential Address, The American Academy of Orthopaedic Surgeons. So Little Time; So Much To Do.** Donaldson WF ... 1018
***Presidential Address, The American Orthopaedic Association. Orthopedics, Orthopaedic Surgery, Musculoskeletology, Orthopaedics.** Lipscomb PR ... 872
***Presidential Address, American Society for Surgery of the Hand. In Praise of Hands.** Milford L ... 728
Proceedings
The American Academy of Orthopaedic Surgeons ... 1022
The American Orthopaedic Association ... 1170
American Society for Surgery of the Hand ... 724
Orthopaedic Research Society ... 565
Soviet-American Cooperative Study on the Surgical Treatment of Arthritis. October 21-31, 1974 ... 586
Western Orthopedic Association ... 132
***Prostheses, Failed Femoral Stems in Total Hip. A Report of Six Cases.** Galante JO, Rostoker W and Doyle JM ... 230
Prostheses, New Functional Partial-Hand. Houset RG et al ... 725
***Prostheses, "Stiction-Friction" of Total Hip, and Its Relationship to Loosening.** Simon SR, Paul IL, Rose RM and Radin EL ... 226
Prosthesis be Cemented in Place, Should the Femoral Hemiarthroplasty? The Problem with Dislocation. D'Ambrosia RD et al ... 139
***Prosthesis for Femoral-Neck Fractures, Nailing versus. A Critical Review of Long-Term Results in Two Hundred and Thirty-nine Consecutive Private Patients.** Johnson JTH and Crothers O ... 686
***Prosthesis, Median-Nerve Compression Complicating a Tendon Graft.** DeLuca FN and Cowen NJ ... 553
***Prosthesis, Performance Analysis of an *ex Vivo* Geometric Total Knee.** Reckling FW, Asher MA, Mantz FA and Helton DO ... 108
***Prosthetic Arthroplasty in the Hand, Infection after Silicone.** Millender LH, Nalebuff EA, Hawkins RB and Ennis R ... 825
Prosthetic Loosening, Impact Considerations in. Sonstegard DA et al ... 569
***Pseudarthrosis, Direct-Current Stimulation of Non-Union and Congenital. Exploration of Its Clinical Application.** Brighton CT, Friedenberg ZB, Zemsky LM and Pollis PR ... 368
***Pseudogout Mimicking Synovial Chondromatosis.** Ellman MH, Krieger MI and Brown N ... 863
***Pseudomonas, Septic Arthritis Due to, in Heroin Addicts.** Gifford DB, Patzakis M, Ivler D and Swezey RL ... 631
***Pseudotumor, On the Natural History of Hemophilic.** Ahlberg ÅKM ... 1133
***Pseudotumor Treated with Replacement Therapy and Radiation, Hemophilic. Report of a Case.** Hilgartner MW and Arnold WD ... 1145
***Psychological Tests as Predictors of Success of Chemonucleolysis in the Treatment of the Low-Back Syndrome, Preoperative.** Wiltse LL and Rocchio PD ... 478
Pubic Osteotomy, Medial, in Difficult Salter Procedures. Sutherland DH and Greenfield R ... 135
***Pulmonary Function in Patients with Idiopathic Scoliosis, Excessive Thoracic Lordosis and Loss of.** Winter RB, Lovell WW and Moe JH ... 972
***Pyogenic Infection of the Sacro-Iliac Joint. Report of Thirteen Cases.** Delbarre F, Rondier J, Delrieu F, Evrard J, Cayla J, Menkes CJ and Amor B ... 819

Q

***Quadricepsplasty in Recurrent Subluxation of the Patella, Preliminary Experience with a Method of.** Madigan R, Wissinger HA and Donaldson WF ... 600
***Quadriparesis, Intermittent, Associated with a Congenital Anomaly of the Posterior Arch of the Atlas. Case Report.** Richardson EG, Boone SC and Reid RL ... 853
***Quadriplegia, Surgical Treatment for Absent Single-Hand Grip and Elbow Extension in. Principles and Preliminary Experience.** Moberg E ... 196

R

***Radial Head, Anterior Angulation Deformity of the. An Unusual Lesion Occurring in Juvenile Baseball Players.** Ellman H ... 776
Radial Head, Developmental Posterior Dislocation of the. Ten Cases Resulting from Ulnar Hypoplasia. Mann RA et al ... 132
Radius, Comminuted Fractures of the Distal End of the, Treated by Pins and Plaster Technique. Marvel JP Jr. ... 1030

PAGE

***Radius, Giant-Cell Tumor of the, Treated by Massive Resection and Tibial-Bone Graft.** Campbell CJ and Akbarnia BA ... 982
***Radius, Pins and Plaster Treatment of Comminuted Fractures of the Distal End of the.** Green DP ... 304
***Radius and Ulna, Compression-Plate Fixation in Acute Diaphyseal Fractures of the.** Anderson LD, Sisk TD, Tooms RE and Park WI III ... 287
***Reiter's Syndrome, Sesamoid Periostitis in the Thumb in. Case Report.** Stadalnik RC and Dublin AB ... 279
***Renal-Cell Metastatic Osseous Lesion following Treatment, Regression of a.** Dorn W III, Gladden MP and Rankin EA ... 869
***Renal Failure following Trauma, Acute.** Lindseth RE, Hamburger RJ, Szwed JJ and Kleit SA ... 830
***Respiratory Failure Complicating Multiple Fractures in the Absence of Fat Embolism, Acute. A Study of Pathogenesis and Treatment and a Preliminary Report of Catheterization of the Right Side of the Heart.** Hassmann GC and Shauble JF ... 188
***Revascularizing Cortical Bone, Mechanical Properties and Mineral Content of Avascular and.** Yu WY, Siu CM, Shim SS, Hawthorne HM and Dunbar JS ... 692
***Rheumatoid Arthritis, Pseudarthrosis of the Proximal Femoral Epiphysis in Juvenile. A Case Report.** Stovell PB, Ahuja SC and Inglis AE ... 860
***Rheumatoid Arthritis, Silastic Arthroplasty of the Metacarpophalangeal Joints in. Long-Term Results.** Mannerfelt L and Andersson K ... 484
***Rheumatoid Arthritis, Surgical Treatment of the Symptomatic Unstable Cervical Spine in.** Ferlic DC, Clayton ML, Leidholt JD and Gamble WE ... 349
***Rheumatoid Wrist Deformities and Their Relation to Ulnar Drift.** Hastings DE and Evans JA ... 930
***Rib-Tip Syndrome, The.** McBeath AA and Keene JS ... 795
Rickets in Rats, Effects of Dichloromethylene Diphosphate, Ethane-1-Hydroxy-1, 1-Diphosphonate, and. O'Hara JP et al ... 577
Rotator Cuff Tears, Symptomatic Full-Thickness: An Analysis of 292 Shoulders in 276 Patients. Samilson RL and Binder WF ... 132

S

***Sacro-Iliac Joint, Pyogenic Infection of the. Report of Thirteen Cases.** Delbarre F, Rondier J, Delrieu F, Evrard J, Cayla J, Menkes CJ and Amor B ... 819
***Sarcoma, Ewing's. A Clinicopathological and Statistical Analysis of Patients Surviving Five Years or Longer.** Pritchard DJ, Dahlin DC, Dauphine RT, Taylor WF and Beabout JW ... 10
Sarcoma in Malaysia, An Epidemiologic Study of Osteogenic. Incidence in Urban as Compared with Rural Environments and in Each of Three Separate Racial Groups, 1969-1972. Bovill EG Jr. et al ... 1026
Sarcoma, Multiphasic Immunological Profile Testing in Osteogenic. Pritchard DJ et al ... 584
***Sarcoma, Osteogenic. A Study of One Hundred and Thirty Cases.** Ohno T, Abe M, Tateishi A, Kako K, Miki H, Sekine K, Ueyama H, Hasegawa O and Obara K ... 397
Scaphoid, Congenital Bipartite — Fact or Fiction? Louis DS et al ... 724
***Scheuermann's Kyphosis. Results of Surgical Treatment by Posterior Spine Arthrodesis in Twenty-two Patients.** Bradford DS, Moe JH, Montalvo FJ and Winter RB ... 439
***Schwannoma of the Medial Plantar Branch of the Posterior Tibial Nerve (Unassociated with von Recklinghausen's Disease). A Case Report.** Giannestras NJ and Bronson JL ... 701
***Schwartz Syndrome, Orthopaedic Aspects of the.** Horan F and Beighton P ... 542
***Sclerosteosis. A Case Report.** Sugiura Y and Yashuhara T ... 273
***Scoliosis, Acute Neurological Complications in the Treatment of. A Report of the Scoliosis Research Society.** MacEwen GD, Bunnell WP and Sriram K ... 404
***Scoliosis and Congenital Heart Defects, The Association of.** Reckles LN, Peterson HA, Bianco AJ Jr. and Weidman WH ... 449
***Scoliosis, Excessive Thoracic Lordosis and Loss of Pulmonary Function in Patients with Idiopathic.** Winter RB, Lovell WW and Moe JH ... 972
***Scoliosis Due to Hemivertebrae and Hemivertebrae with Bars, Progression of Congenital.** Nasca RJ, Stelling FH III and Steel HH ... 456
Scoliosis, The Lexan Jacket in the Conservative Treatment of — A Comparison of Results Obtained with the Milwaukee Brace. Murphy J ... 136
***Scoliosis in Marfan's Syndrome. Its Characteristics and Results of Treatment in Thirty-four Patients.** Robins P, Moe JH and Winter RB ... 358
Scoliosis in Myelodysplasia. Mackel JL and Lindseth RE ... 1031
***Scoliosis, Osteoid-Osteoma as a Cause of.** Keim HA and Reina EG ... 159
***Scoliosis Patient, Results of Harrington Instrumentation and Fusion in the Adult Idiopathic.** Ponder RC, Dickson JH, Harrington PR and Erwin WD ... 797
Scoliosis Patient, Results of Harrington Instrumentation and Fusion in the Adult Idiopathic. Ponder RC et al ... 134
***Scoliosis, Preoperative Skeletal Traction in.** Letts RM, Palakar G and Bobechko WP ... 616
***Scoliosis: A Prospective Epidemiological Study.** Brooks HL, Azen SP, Gerberg E, Brooks R and Chan L ... 968
***Scoliosis at Rancho Los Amigos Hospital, Evolution of Treatment of Paralytic.** Bonnett C, Brown JC, Perry J, Nickel VL, Walinski T, Brooks L, Hoffer M, Stiles C and Brooks R ... 206
***Scoliosis Research Society, A Report of the. Acute Neurological Complications in the Treatment of Scoliosis.** MacEwen GD, Bunnell WP and Sriram K ... 404
***Scoliosis with Spontaneous Transposition of the Spinal Cord. Clinical and Autopsy Study.** Hamilton JJ and Schmidt AC ... 474
Shin Splints in the Young Athlete: A Non-Specific Diagnosis. Jackson DW and Bailey D ... 137
***Shoulder Capsule, The Torn.** Bush LF ... 256
Shoulder, Recurrent Anterior Dislocation of the — Which Operation? Sisk TD and Lynch M ... 1032
Shoulder Replacement, Total. Post M et al ... 1171
Shoulder Replacement, Total. Romano RL and Burgess EM ... 1033
***Shoulder, A Simplified Compression Arthrodesis of the.** Beltran JE, Trilla JC and Barjau R ... 538
***Shoulder, Trapshooter's: Stress Fracture of the Coracoid Process. Case Report.** Boyer DW Jr. ... 862
Sickle Cell Disease and the Tourniquet: Is There a Risk? Stein RE and Urbaniak JR ... 1027
***Silicone Implant Surgery in the Metacarpophalangeal Joint, Complications of.** Ferlic DC, Clayton ML and Holloway M ... 991
Skeletal Implants Using a Porous Low Modulus System with Emphasis on Tendon and Ligament Prostheses, Functional Stabilization of. Homsy CA et al ... 581
Soft-Tissue Dynamic Force Attenuation in Vivo. Paul IL et al ... 574
Spina Bifida: A Scanning Electron Microscopic Study of the Involvement of Cell Surface Material. Rice RW and Moran D ... 565
***Spinal Anesthesia for Total Hip-Replacement Arthroplasty.** Scuko TP and Ranawat C ... 173
Spinal Column Injuries, Neurological Deficit and. Kraus JF and Riggins RS ... 134
Spinal Cord Injuries, Late Anterior Decompression of. Bohlman HH et al ... 1025
***Spinal Cord, Scoliosis with Spontaneous Transposition of the. Clinical and Autopsy Study.** Hamilton JJ and Schmidt AC ... 474
Spinal Deformity, Combined Surgical Approach to. Ashley RK et al ... 134
***Spine Arthrodesis in Twenty-two Patients, Results of Surgical Treatment by Posterior. Scheuermann's Kyphosis.** Bradford DS, Moe JH, Montalvo FJ and Winter RB ... 439
Spine, Arthrodesis of the Unstable Upper Cervical, for Instability With and Without Myelopathy. Edmunds JO et al ... 1025
Spine, Biomechanical Analysis of Structural Stability of Internal Fixation in Fracture of the Thoracolumbar. Stauffer ES and Neil J ... 134
Spine, Biomechanics of the Axially Loaded Cervical: Development of a Clinical Test for Ruptured Ligaments. White AA III et al ... 582
***Spine, Fracture-Dislocation of the Lumbosacral. A Case Report.** Samberg LC ... 1007
***Spine Fusion in Children with Tuberculosis of the Spine, Progressive Kyphosis following Solid Anterior.** Fountain SS, Hsu LCS, Yau ACMC and Hodgson AR ... 1104
Spine, Future of Minor Scoliotic Curves of the. Ghavamian T ... 134
Spine Mechanics as a Function of Ligament Transection, Cervical. Panjabi MM et al ... 582
Spine, Muscle Force Analysis of the Lumbar. Rab GT and Chao EY ... 582
Spine Pain of Benign Origin with or without Radiculopathy Treated by Epidural Prednisolone Therapy. Brown FW and Brody J ... 134
Spine Pain of Benign Origin with or without Radiculopathy Treated by Epidural Prednisolone Therapy. Report of 100 Unselected Consecutive Cases. Brown FW and Brody J ... 1034
Spine in Rheumatoid Arthritis, The Cervical. O'Leary P et al ... 1034
***Spine in Rheumatoid Arthritis, Surgical Treatment of the Symptomatic Unstable Cervical.** Ferlic DC, Clayton ML, Leidholt JD and Gamble WE ... 349
Spine in Rheumatoid Arthritis, Surgical Treatment of the Unstable Cervical. Ferlic DC et al ... 139
Spine Surgery, Salvage. Finnegan W et al ... 1034
Spine, Traumatic Instability of the Cervical: Treatment with Halo Cast Fixation. Klassen RA et al ... 1025
Spondylitis and W27 in a Four Generation Family, Ankylosing. Falace P et al ... 585
***Spondylolisthesis, The Basic Lesion in: Fatigue Fracture.** Wiltse LL, Widell EH Jr. and Jackson DW ... 17
Spondylolisthesis in Childhood and Adolescence, Surgical Management of. Hensinger RN and Lang JR ... 1031
***Spondylolisthesis, Degenerative. Predisposing Factors.** Rosenberg NJ ... 467
Spondylolisthesis Associated with Scoliosis, The Management of Lumbosacral. Goldstein LA ... 1173
***Spondylolysis and Transitional Vertebra, Double-Level. Case Report.** Grantham SA and Imbriglia JE ... 713
***"Stiction-Friction" of Total Hip Prostheses and Its Relationship to Loosening.** Simon SR, Paul IL, Rose RM and Radin EL ... 5
Surfer, Killer Whale Attack on. A Case Report, Snorf CR et al ... 138
***Syme Amputation in Children, The.** Davidson WH and Bohne WHO ... 905
***Syme's Amputation. Follow-up Study of Weight-Bearing in Sixty-eight Patients.** Hornby R and Harris WR ... 346
***Synovectomy for Rheumatoid Arthritis of the Knee.** Paradies LH ... 95
***Synovial Chondromatosis, Pseudogout Mimicking.** Ellman MH, Krieger MI and Brown N ... 863
Synovial Fluid Prostaglandin E Levels in Orthopaedic Diseases. Robinson HJ Jr. and Granda JL ... 572

T

Talar Subluxation, Lateral: Effect on Tibiotalar Contact Surfaces. Ramsey PL and Hamilton WC ... 567
***Talus, Congenital Paralytic Vertical. An Anatomical Study.** Specht EE ... 842
Talus, Results of Naviculectomy for Congenital Vertical. Clark MW and D'Ambrosia R ... 1035
***Talus, Unusual Accessory (Bipartite) Simulating Fracture. A Case Report.** Weinstein SL and Bonfiglio M ... 1161
***Talus of Unusual Etiology, Vertical. Case Report.** Scarfoss R, Bendana A, King G and Miller G ... 409
***Tarsal Osteolysis, Carpal and. A Case Report and Review of the Literature.** Beals RK and Bird CB ... 681
***Tarsometatarsal Fracture-Dislocation, Dislocation of the Medial Cuneiform Bone in. A Case Report.** Brown DC and McFarland GB Jr. ... 858
Tendinitis, Calcifying, An Active, Cell-Mediated Process. Uhthoff HK and Sarkar K ... 566
***Tendinitis and Fasciitis, *Mycobacterium kansasii*. Report of a Case Treated Successfully with Drug Therapy Alone.** Parker MD and Irwin RS ... 557
Tendo Achillis, Ruptures of the: An Objective Assessment of Non-Surgical and Surgical Treatment. Inglis AE et al ... 1172
Tendon Adhesions, Effect of Continuous Load on the Mechanical Properties of. Wray RC et al ... 727
***Tendon Allografts, Transplantation of Preserved Composite. An Experimental Study in Chickens.** Liu TK ... 65
Tendon, Effects of Age and Mechanical Deformation on the Ultrastructure of. Friedman B et al ... 580
***Tendon Graft Prosthesis, Median-Nerve Compression Complicating a.** DeLuca

* Indicates full article.

PAGE

FN and Cowen NJ ... 553
Tendon Graft Restoration of Extensor Pollicis Longus Disruption, Segmental. Hamlin C and Littler JW ... 729
Tendon Grafting Using Fixed Homogenous Tendon. McMaster WC ... 136
***Tendon of the Index Finger after Colles' Fracture, Rupture of the Flexor. Case Report.** Southmayd WW, Millender LH and Nalebuff EA ... 562
Tendon, Isolated Injuries of Posterior Tibial. Wrenn RN ... 1035
***Tendon, Neglected Rupture of the Achilles. Treatment by V-Y Tendinous Flap.** Abraham E and Pankovich AM ... 253
Tendon Prosthesis Design, Preliminary Studies on a Composite. Lemons JE et al ... 581
***Tendon and Pulleys at the Metacarpophalangeal Joint of a Finger.** Brand PW, Cranor KC and Ellis JC ... 779
***Tendon Ruptures with Secondary Hyperparathyroidism. A Case Report.** Cirincione RJ and Baker BE ... 852
***Tendon Sheath of the Hand, Chondromas of the. Report of a Case and Review of the Literature.** Strong ML Jr. ... 1164
Tendon in the Thenar Zone, Surgical Exposure of the F.P.L. Bruner JM ... 729
Tendons, The Development of Human Digital. Chaplin DM and Greenlee TK ... 566
Tendons in the Human, The Intrinsic Vascularization of Flexor. Caplan HS et al ... 726
***Tendons, Subluxation of Peroneal. Case Treated by Rerouting Tendons under Calcaneofibular Ligament.** Sarmiento A and Wolf M ... 115
***Tenodesis, Reconstruction of the Anterior Cruciate Ligament by Semitendinosus.** Cho KO ... 608
Thromboembolic Disease Following Total Hip Replacement, Clinical Evaluation of Aspirin as a Prophylactic Agent against. Jennings JJ and Harris WH ... 1170
Thromboembolic Disease in Orthopaedic Patients, The Use of Plaquenil for the Prevention of. Chrisman OD et al ... 1171
Thromboembolic Phenomena, A Multifaceted Approach to Prevention of: A Report of 100 Cases. Brady LP ... 1029
***Thrombosis of the Ulnar Artery in the Hand. Report of Five Cases.** Herndon WA, Hershey SL and Lambdin CS ... 994
Thumb, Flexible (Silicone) Implant Arthroplasty of the MP Joint of the. Swanson AB and Herndon JH ... 724
Thumb, Lateral Instability of the Metacarpophalangeal Joint of the. Smith RJ ... 729
***Thumb in Leprosy, Opponensplasty in Intrinsic-Muscle Paralysis of the.** Palande DD ... 489
Thumb, Medical and Surgical Importance of the Arterial Blood Supply of the. Parks BJ et al ... 729
***Thumb, A Rare Injury to the, Similar to Degloving.** El-Adwar L and Arafa AG ... 998
***Thumb in Reiter's Syndrome, Sesamoid Periostitis in the. Case Report.** Stadalnik RC and Dublin AB ... 279
Thumb, Surgical Management of Bifid. Silsby J et al ... 132
***Tibia, Congenital Fibrous Defect of the, Mimicking Fibrous Dysplasia. A Case Report.** Semian DW, Willis JB and Bove KE ... 854
***Tibia and Fibula, Intramedullary Nailing in the Treatment of Open Fractures of the.** Harvey FJ, Hodgkinson AHT and Harvey PM ... 909
Tibia, Transcapillary Exchange of Strontium and Sucrose in the Canine. Davies DR et al ... 572
Tibial Donor Site Morbidity: 500 Consecutive Cases with Long Term Follow-Up. Belcher DC and Janes JM ... 1032
***Tibial Fractures, Percutaneous Pin Fixation of Open. Double-Frame Anchorage Using the Vidal-Adrey Method.** Karlström G and Olerud S ... 915
***Tibial Meromelia, Autosomal Dominant Inheritance of. Report of a Kindred.** Clark MW ... 262
***Tibial Nerve, Malignant Schwannoma of the Medial Plantar Branch of the Posterior, (Unassociated with von Recklinghausen's Disease). A Case Report.** Giannestras NJ and Bronson JL ... 701
Tibial Osteotomy, Patella, Plateau Force and Motion after Proximal. Kettelkamp DB et al ... 1028
Tibial Osteotomy, Peaked Plateaus: A Complication of Proximal. Kaufer H et al ... 1027
***Tibial Shaft, Cavus Deformity of the Foot after Fracture of the.** Karlström G, Lönnerholm T and Olerud S ... 893
Tibial Shaft, Fractures of the. Russell SW and Clarke TE ... 1031
Tibial Shaft Fractures, Early Ambulation and Weight-Bearing of. Krengel WF Jr. and Romano RL ... 139
***Tibial Shaft after Skiing and Other Accidents, Fractures of the.** Van Der Linden W, Sunzel H and Larsson K ... 321
***Tibial Tubercle, Patella Alta and Patella Infera: Their Etiological Role in Patellar Dislocation, Chondromalacia, and Apophysitis of the.** Lancourt JE and Cristini JA ... 1112
***Tibiofemoral Angle in Children, The Development of the.** Salenius P and Vankka E ... 259
***Tibiofibular Cross-Peg Grafting. A Salvage Procedure for Complicated Ununited Tibial Fractures.** McMaster PE and Hohl M ... 720
***Toe, Osteoid-Osteoma Producing Premature Fusion of the Epiphysis of the Distal Phalanx of the Big. A Case Report.** Bordelon RL, Cracco A and Book MK ... 120
Toe, Silicone Implant Resection Arthroplasty of the Great. Swanson AB ... 1173
***Traction in Scoliosis, Preoperative Skeletal.** Letts RM, Palakar G and Bobechko WP ... 616

PAGE

***Transplants, Physical and Biological Aspects of Repair in Dog Cortical-Bone.** Enneking WF, Burchardt H, Puhl JJ and Piotrowski C ... 237
***Trauma, Acute Renal Failure following.** Lindseth RE, Hamburger RJ, Szwed JJ and Kleit SA ... 830
***Trochanter in Total Hip Arthroplasty, Reattachment of the Greater, by Use of a Bolt.** Volz RG and Turner RH ... 129
***Trochanteric Approach to the Hip for Prosthetic Replacement, The.** English TA ... 1128
***Tuberculoma of the Ulnar Nerve.** Sinha GP ... 131
***Tuberculosis of the Spine, Progressive Kyphosis following Solid Anterior Spine Fusion in Children with.** Fountain SS, Hsu LCS, Yau ACMC and Hodgson AR ... 1104
***Tumor, The Natural History of a Giant-Cell. Case Report.** Vistnes LM and Vermuelen WJ ... 865
***Tumor of the Radius Treated by Massive Resection and Tibial-Bone Graft, Giant-Cell.** Campbell CJ and Akbarnia BA ... 982
Tumors from Adenocarcinoma of the Kidney, Management of Metastatic Bone. Carr WA and Urbaniak JR ... 1026
Tumors of Bone, A New Look at Local Resection in. Greenlee TK Jr. ... 139
Tumors, Extra-Abdominal Desmoid: A Clinicopathological Study. Brewster RC and Ivins JC ... 1026
Tumors of the Upper Extremity, Unusual. Wood C ... 136
***Tunnel Syndrome in the Dorsal Compartment, Anomalous Extensor Digiti Minimi Proprius Causing. Report of a Case.** Ambrose J and Goldstone R ... 706

U

***Ulna, Compression-Plate Fixation in Acute Diaphyseal Fractures of the Radius and.** Anderson LD, Sisk TD, Tooms RE and Park WI III ... 287
***Ulnar Drift, Rheumatoid Wrist Deformities and Their Relation to.** Hastings DE and Evans JA ... 930
Ulnar Nerve Instability at the Elbow, Congenital, Ulnar Nerve Injury Due to Elbow Flexion. Lazaro L III ... 1030
***Ulnar Nerve, Tuberculoma of the.** Sinha GP ... 131
***Ulnar Nerve at the Wrist, A Variation in the Path of the Deep Motor Branch of the.** Lassa R and Shrewsbury MM ... 990
***Ulnar Variance in Kienböck's Disease.** Gelberman RH, Salamon PB, Jurist JM and Posch JL ... 674
***Urological Complication of Dwyer Instrumentation, An.** McMaster WC and Silber I ... 710

V

***Van Nes Rotational Osteotomy for Treatment of Proximal Femoral Focal Deficiency and Congenital Short Femur.** Kostuik JP, Gillespie R, Hall JE and Hubbard S ... 1039
***Vascular Origin, A Clinicopathological Study of Fourteen Cases with. Adamantinoma of Long Bones.** Huvos AG and Marcove RC ... 148
***Vertebra, Double-Level Spondylolysis and Transitional. Case Report.** Grantham SA and Imbriglia JE ... 713
***Vertebrae, Acute Cervical Pain Associated with Soft-Tissue Calcium Deposition Anterior to the Interspace of the First and Second Cervical.** Bernstein SA ... 426
***Volkmann's Contracture, Treatment of Established.** Tsuge K ... 925

W

***Walking Patterns of Men with Unilateral Surgical Hip Fusion.** Gore DR, Murray MP, Sepic SB and Gardner GM ... 759
***Water Content and Binding in Normal and Osteoarthritic Human Cartilage.** Mankin HJ and Thrasher AZ ... 76
***Wear of Articular Cartilage, *In Vitro*. I. Hydroxyproline, Hexosamine, and Amino Acid Composition of Bovine Articular Cartilage as a Function of Depth from the Surface; Hydroxyproline Content of the Lubricant and the Wear Debris as a Measure of Wear.** Lipshitz H, Etheredge R III and Glimcher MJ ... 527
***Weight-Bearing Areas, Femorotibial. Experimental Determination.** Maquet PG, Van de Berg AJ and Simonet JC ... 766
Western Orthopedic Association, The Early Beginnings of the. Mensor MC ... 138
***Wounds in Rabbits, Healing of Electrosurgical and Scalpel.** Tipton WW Jr., Garrick JG and Riggins RS ... 377
***Wrist Deformities and Their Relation to Ulnar Drift, Rheumatoid.** Hastings DE and Evans JA ... 930
Wrist Joint, Denervation of the. Buck-Gramcko D ... 726
Wrist, Management of Traumatic Instability of the. Dobyns JH et al ... 1030
Wrist, Unrecognized Sprain Patterns of the. Dauphine RT and Linscheid RL ... 727
***Wrist, A Variation in the Path of the Deep Motor Branch of the Ulnar Nerve at the.** Lassa R and Shrewsbury MM ... 990

X

***Xanthoma and Multiple Hand Tumors as a Complication of Hyperlipidemia, Osseous. Report of a Case.** Hamilton WC, Ramsey PL, Hanson SM and Schiff DC ... 551